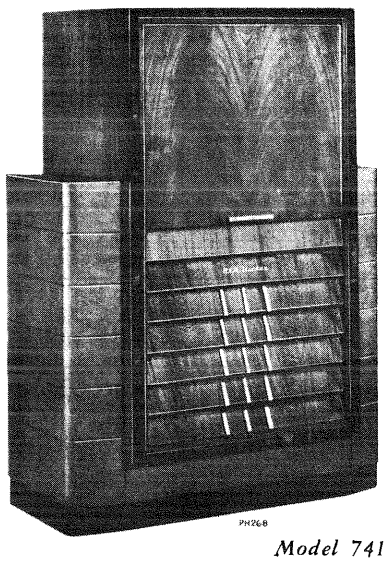


Model 741PCS

Model 8PCS41

RCA VICTOR

PROJECTION TELEVISION, RECEIVER

MODELS 741PCS and 8PCS41

Chassis Nos. KCS 24B-1 or KCS 24C-1, KRS 20A-1 or KRS 20B-1, KRS 21A-1, KRK 1A-1 or KRK 4, and RS 123C — Mfr. No. 274

SERVICE DATA

— 1947 No. T7 —

— 1948 No. T2 —

SUPPLEMENT TO 1947 No. T2

RADIO CORPORATION OF AMERICA
RCA VICTOR DIVISION
CAMDEN, N. J., U. S. A.

GENERAL DESCRIPTION

Models 741PCS and 8PCS41 are forty-one tube Projection Television consoles. The receivers employ five chassis with a total of forty tubes and a five-inch projection kinescope. A Reflective Optical System provides a 15" x 20" picture on the screen.

Model 8PCS41 has been produced in three versions (different chassis) and are distinguished in this Service Data as 8PCS41, 8PCS41-B, and 8PCS41-C.

This publication includes all the data applicable only to these models such as the Installation Instructions, Wiring Diagram, Circuit Diagram and Replacement Parts Lists. For additional information, refer to the Service Data for Model 648PTK.

ELECTRICAL AND MECHANICAL SPECIFICATIONS

PICTURE SIZE ..... 15" x 20"

TELEVISION R-F FREQUENCY RANGES

All 13 television channels, 44 mc to 88 mc, 174 mc to 216 mc.

TELEVISION FINE TUNING RANGE

Plus and minus approximately 800 kc on channel 1, and plus and minus approximately 1.9 mc on channel 13.

RECEIVER ANTENNA INPUT IMPEDANCE..300 ohms balanced

POWER SUPPLY RATING ..... 115 volts, 60 cycles, 530 watts

AUDIO POWER OUTPUT RATING

Undistorted Power Output ..... 10 watts
Maximum Power Output ..... 11 watts

CHASSIS DESIGNATIONS

R-F, I-F Chassis .....KCS24B-1 in 741PCS and 8PCS41, KCS24C-1 in 8PCS41-B and 8PCS41-C
Horizontal Deflection Chassis .....KRS20A-1 in 741PCS, 8PCS41, and 8PCS41-C, KRS20B-1 in 8PCS41-B
Power Supply Chassis KRS21A-1
Optical Barrel .....KRK1A-1 in 741PCS, 8PCS41 and 8PCS41-C, KRK4 in 8PCS41-B
Audio Amplifier RS123C

RCA TUBE COMPLEMENT

KCS24B-1 OR KCS24C-1 R-F, I-F CHASSIS

	Tube Used	Function
(1)	RCA-6J6	R-F Amplifier
(2)	RCA-6J6	R-F Oscillator
(3)	RCA-6J6	Converter
(4)	RCA-6BA6	1st Sound I-F Amplifier
(5)	RCA-6BA6	2nd Sound I-F Amplifier
(6)	RCA-6AU6	3rd Sound I-F Amplifier
(7)	RCA-6AL5	Sound Discriminator
(8)	RCA-6AT6	Audio Amplifier
(9)	RCA-6AT6	A-G-C Amplifier
(10)	RCA-6AL5	A-G-C Diode and D-C Restorer
(11)	RCA-6AG5	1st Picture I-F Amplifier
(12)	RCA-6AG5	2nd Picture I-F Amplifier
(13)	RCA-6AG5	3rd Picture I-F Amplifier
(14)	RCA-6AG5	4th Picture I-F Amplifier
(15)	RCA-6AL5	Picture 2nd Detector and A-G-C Detector
(16)	RCA-6AU6	1st Video Amplifier
(17)	RCA-6V6GT	2nd Video Amplifier
(18)	RCA-6SK7	1st Sync Amplifier
(19)	RCA-6SH7	2nd Sync Amplifier
(20)	RCA-6J5	3rd Sync Amplifier
(21)	RCA-6J5	Vertical Sweep Oscillator and Discharge
(22)	RCA-6K6GT	Vertical Sweep Output

Specifications continued on page 2

KRS20A-1 OR KRS20B-1
HORIZONTAL DEFLECTION CHASSIS

(1) RCA-6H6 ..... Horizontal Sync Discriminator
(2) RCA-6K6GT ..... Horizontal Sweep Oscillator
(3) RCA-6J5 ..... Horizontal Discharge
(4) RCA-6AC7 ..... Horizontal Sweep Oscillator Control
(5) RCA-6BG6G ..... Horizontal Sweep Output (2 tubes)
(6) RCA-5V4G ..... Horizontal Damper
(7) RCA-6AS7G ..... Horizontal Damper
(8) RCA-1B3-GT/8016 ..... High Voltage Rectifier (3 tubes)
(9) RCA-5TP4 ..... Projection Kinescope

KRS21A-1 TELEVISION POWER SUPPLY CHASSIS

(1) RCA-5U4G ..... Rectifier (3 tubes)

RS123C AUDIO AMPLIFIER

(1) RCA-5U4G ..... Rectifier
(2) RCA-6J5 ..... Phase Inverter
(3) RCA-6F6G ..... Power Output (2 tubes)

LOUDSPEAKER (92567-2)

Type ..... 12-inch Electrodynamic
Voice Coil Impedance ..... 2.2 ohms at 400 cycles

WEIGHT

Chassis with Tubes in Cabinet .... Model 741PCS .... 302 lbs.
Shipping Weight ..... 405 lbs.
Chassis with Tubes in Cabinet .. Model 8PCS41..... 247 lbs.
Shipping Weight ..... 314 lbs.

DIMENSIONS (inches)		Width	Height	Depth
Cabinet (outside)	741PCS	42	58½	24
Cabinet (outside)	8PCS41	36¼	39⅛	24¼

PICTURE I-F FREQUENCIES

Picture Carrier Frequency ..... 25.75 mc
Adjacent Channel Sound Trap ..... 27.25 mc
Accompanying Sound Traps ..... 21.25 mc
Adjacent Channel Picture Carrier Trap ..... 19.75 mc

SOUND I-F FREQUENCIES

Sound Carrier Frequency ..... 21.25 mc
Sound Discriminator Band Width (between peaks) ..... 350 kc
VIDEO RESPONSE ..... To 4 mc
FOCUS ..... Electrostatic
SWEEP DEFLECTION ..... Magnetic
SCANNING ..... Interlaced, 525 line
HORIZONTAL SCANNING FREQUENCY ..... 15,750 cps
VERTICAL SCANNING FREQUENCY ..... 60 cps
FRAME FREQUENCY (Picture Repetition Rate) ..... 30 cps

OPERATING CONTROLS (front panel)

Channel Selector, Fine Tuning ..... Dual Control Knobs
Picture, Brightness ..... Dual Control Knobs
Picture Horizontal Hold, Picture Vertical Hold ..... Dual Control Knobs
On-Off Switch ..... Single Control Knob
Sound Volume ..... Single Control Knob
Remote Brightness and Picture Controls on some sets.

NON-OPERATING CONTROLS (not including r-f and i-f adjustments)

Vertical Centering ..... R-F, I-F chassis rear adjustment
Height ..... R-F, I-F chassis rear adjustment
Vertical Linearity ..... R-F, I-F chassis rear adjustment
Video Peaking Switch ..... R-F, I-F chassis rear switch
Width .... Horizontal Deflection chassis screwdriver adjustment
Horizontal Linearity ....Horizontal Deflection chassis adjustment
Horizontal Drive ..... Horizontal Deflection chassis adjustment
Horizontal Centering .. Horizontal Deflection chassis adjustment
Horizontal Oscillator Frequency
Horizontal Deflection chassis adjustment
Horizontal Oscillator Phase
Horizontal .Deflection chassis adjustment
Focus (Electrical) .. Horizontal Deflection chassis rear adjustment
Focus (Mechanical) ..... Optical Barrel adjustment
Deflection Coil ..... Optical Barrel adjustment
Horizontal Optical Centering ..... Optical Barrel adjustment
Lateral Optical Centering ..... Optical Barrel adjustment

HIGH VOLTAGE WARNING

OPERATION OF THIS RECEIVER OUTSIDE THE CABINET OR WITH THE COVERS REMOVED, INVOLVES A SHOCK HAZARD FROM THE RECEIVER POWER SUPPLIES. WORK ON THE RECEIVER SHOULD NOT BE ATTEMPTED BY ANYONE WHO IS NOT THOROUGHLY FAMILIAR WITH THE PRECAUTIONS NECESSARY WHEN WORKING ON HIGH VOLTAGE EQUIPMENT. DO NOT OPERATE THE TELEVISION RECEIVER WITH THE HIGH VOLTAGE COMPARTMENT SHIELD REMOVED.

KINESCOPE HANDLING PRECAUTIONS

DO NOT OPEN THE KINESCOPE SHIPPING CARTON, INSTALL, REMOVE OR HANDLE THE KINESCOPE IN ANY MANNER UNLESS SHATTERPROOF GOGGLES AND HEAVY GLOVES ARE WORN. PEOPLE NOT SO EQUIPPED SHOULD BE KEPT AWAY WHILE HANDLING KINESCOPES. KEEP THE KINESCOPE AWAY FROM THE BODY WHILE HANDLING.

OPERATING INSTRUCTIONS

The following adjustments are necessary when turning the receiver on for the first time.

1. Lift the lid and open the control panel.

2. Turn the receiver "ON" and advance the SOUND VOLUME control to approximately mid-position.

3. Set the STATION SELECTOR to the desired channel.

4. Turn the PICTURE control fully counter-clockwise.

5. Turn the BRIGHTNESS control clockwise, until a glow appears on the screen, then counter-clockwise until the glow just disappears.

6. Turn the PICTURE control clockwise until a glow or pattern appears on the screen.

7. Adjust the FINE TUNING control for best sound fidelity and SOUND VOLUME for suitable volume.

8. Adjust the VERTICAL hold control until the pattern stops vertical movement.

9. Adjust the HORIZONTAL hold control until a picture is obtained and centered.

10. Adjust the PICTURE control for suitable picture contrast.

11. After the receiver has been on for some time, it may be necessary to readjust the FINE TUNING control slightly for improved sound fidelity.

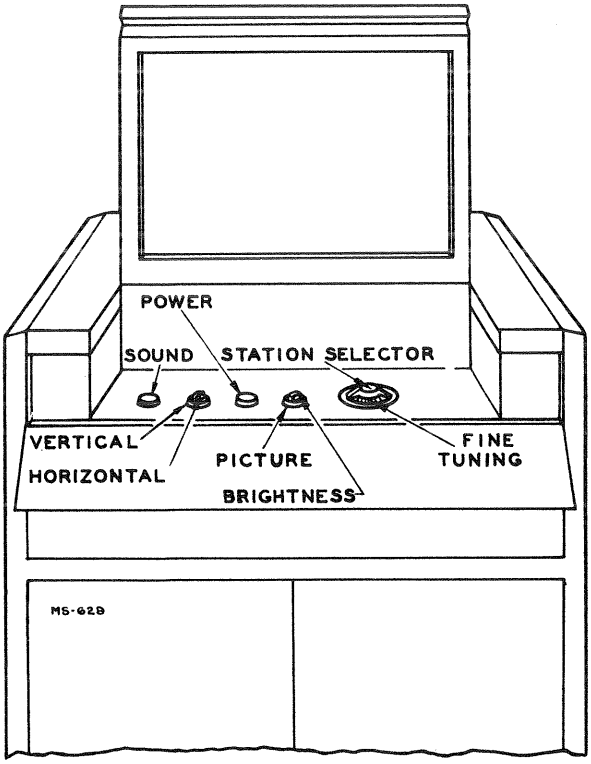
12. In switching from one station to another, it may be necessary to repeat steps number 7 and 10.

13. When the set is turned on again after an idle period, it should not be necessary to repeat the adjustments if the positions of the controls have not been changed. If any adjustment is necessary, step number 7 is generally sufficient.

14. If the position of the controls has been changed, it may be necessary to repeat steps number 2 through 10.

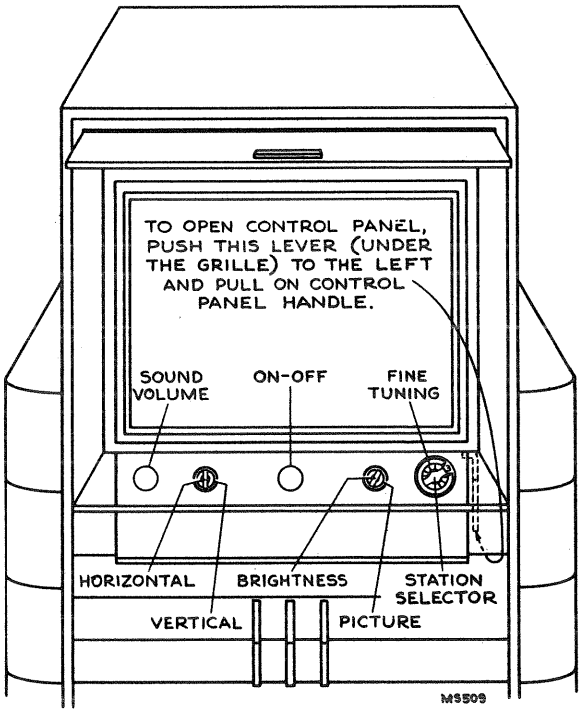
Note: The lid is provided with an interlock switch to insure that the receiver will be turned off when the cabinet is closed.

8PCS41 only



Model 8PCS41

Figure 1—Receiver Operating Controls



Model 741PCS

Figure 1—Receiver Operating Controls

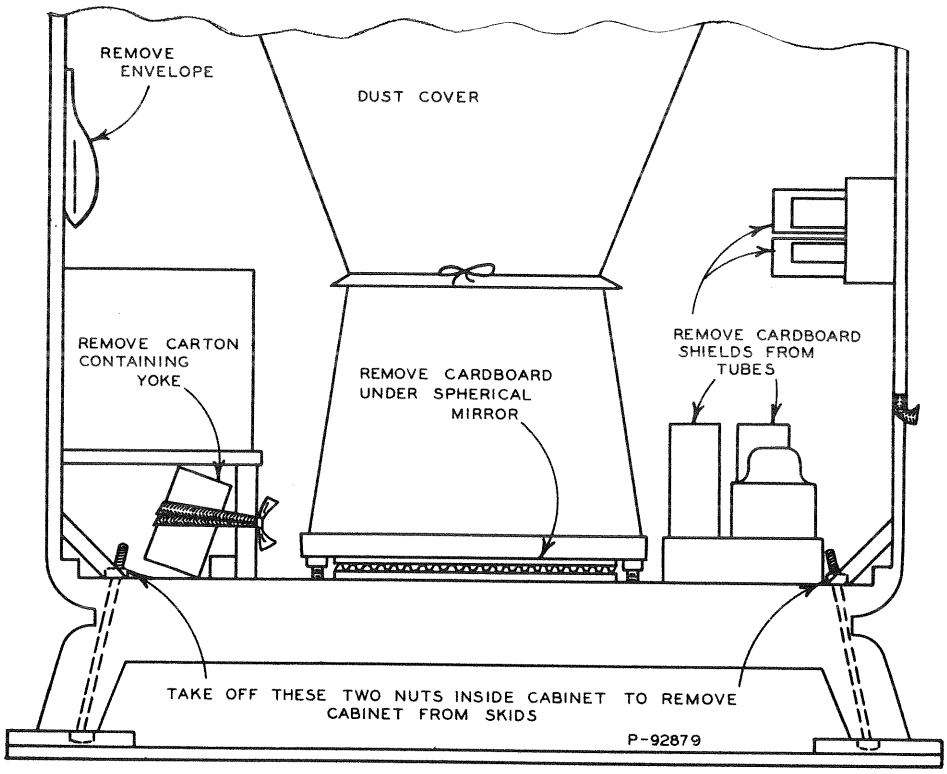


Figure 2—Removal of Shipping Material

Remove the shipping material as shown in Figure 2. Make sure that all tubes are firmly seated in their sockets.

Untie the canvas dust cover for the optical barrel and tie it off to one side.

Remove the speaker grille; 741PCS—pull out on top of grille; 8PCS41—take out four screws from the front corners of the grille. Disconnect the speaker cable from the speaker and set the grille to one side.

Models 741PCS, 8PCS41 and 8PCS41-C employ a KRK1A-1 optical barrel. 8PCS41-B employs a KRK4 optical barrel.

Adjustment procedure and nomenclature for the two barrels are similar and the following instructions are given for both types.

Caution: Handle the corrector lens with care. This lens is made of a plastic material, is soft and can be easily scratched by improper handling or even by rubbing with a cloth. Do not use cleaning fluid on the lens as it may be attacked by some of the chemicals used in such solutions. In short, the lens should be given the care due any precision optical equipment.

Remove the corrector lens from the top of the optical barrel by loosening the screws holding the mountings clips as shown in Figure 4. Caution: Do not loosen the screws holding the corrector lens centering cams or plate.

Although the high voltage filter capacitors of a new receiver are not likely to be charged, it is a good idea to form the habit of discharging the optical barrel before making any internal adjustments. Take a clip lead, fasten the clip end to the barrel and discharge the unit by making repeated contacts to the kinescope holder with the other end of the lead.

Clean the back of the screen, the front of the 45° mirror and the optical barrel spherical mirror by "sweeping" the surface with a small camel's hair brush. Any dust on the spherical mirror should be swept into the black center portion where it can be picked up with a piece of scotch tape. Caution: Do not touch the silvered portion of the mirrors. The mirrors are surface silvered and can be damaged by contact with the moist hand. If the screen or mirrors require cleaning, a solution of "Dreft" and water should be employed.

Place a type 202-B-1 test lamp in the kinescope holder and adjust the ball screws to center the lamp in the holder. Connect the lamp cord into a 110-volt power outlet and turn the lamp on. Replace the corrector lens. Rotate the lamp so as to produce a picture on the screen in the proper aspect. Cover the center hole in the corrector lens with a piece of black cardboard in order to prevent light from this source from lowering the resolution.

Loosen the optical focus adjustment lock screws and adjust the optical focus adjustment for the best overall definition on the screen. The optical system should show at least 900 line resolution over all the screen. If the system shows less definition, it will be necessary to make the adjustments under "Alignment of Optical Barrel."

Choose the proper alignment procedure for the barrel concerned and upon completion procede with "Check of Optical Barrel Tilt" which applies to both types of barrels.

ALIGNMENT OF KRK-4 OPTICAL BARREL—With the test lamp in place as described above, turn the optical focus adjustment until the vertical and horizontal lines become double. When the test lamp is properly centered, the lines are parallel. If the lines are not parallel, the kinescope holder requires horizontal or lateral centering.

Horizontal or Lateral Centering Adjustment—Loosen the focus sprocket support mounting screws and the idler support mounting screws and slide the three focus sprockets back and forth until the vertical and horizontal lines are parallel.

If the vertical lines are not parallel, the sprockets should be slid straight forwards or backwards until the vertical lines are parallel. If the horizontal lines are not parallel, the sprockets should be slid to one side or the other until the lines are parallel. Upon completion tighten the sprocket support mounting screws taking care that the sprockets do not shift in the process. Make sure the focus sprocket drive chain is in place on all sprockets, slide the idler sprocket back until the drive chain is tight, then tighten the idler sprocket support mounting screws.

Caution: The focus screw extensions above the focus sprockets should be equal for all sprockets. If during the adjustment procedure, the drive chain should fall from the sprockets and the sprockets accidentally turned, it will be necessary to readjust the sprockets until the screw extensions are equal.

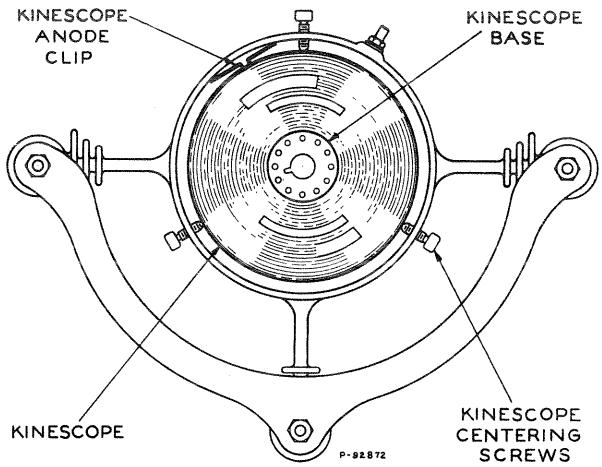


Figure 3—KRK-4 Kinescope Holder

Corrector Lens Centering—Turn the focus adjustment until a halo appears around the dot in the center of the test lamp. If the halo is not symmetrical around the dot, loosen the four corrector lens centering cam lock screws and slide the lens about until the halo is symmetrical. Turn the cams up firmly against the lens and tighten the cam lock screws. Care should be taken not to disturb the lens position during the tightening process.

ALIGNMENT OF KRK-1A OPTICAL BARREL—With the test lamp in place as described above, turn the optical focus adjustment until the vertical and horizontal lines become double. When the test lamp is properly centered, the lines are parallel. If the lines are not parallel, the Horizontal or Lateral optical centering controls require readjustment.

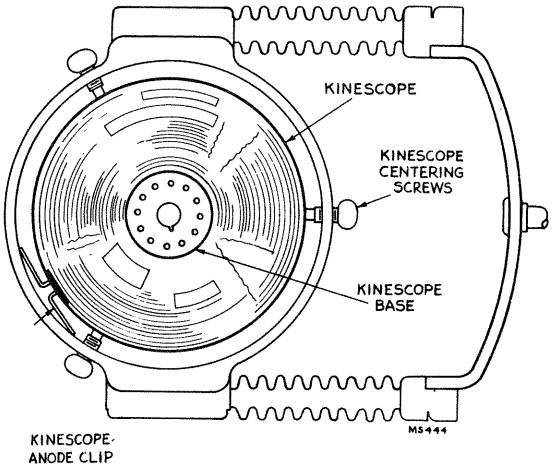


Figure 3—Kinescope Holder —KRK-1A

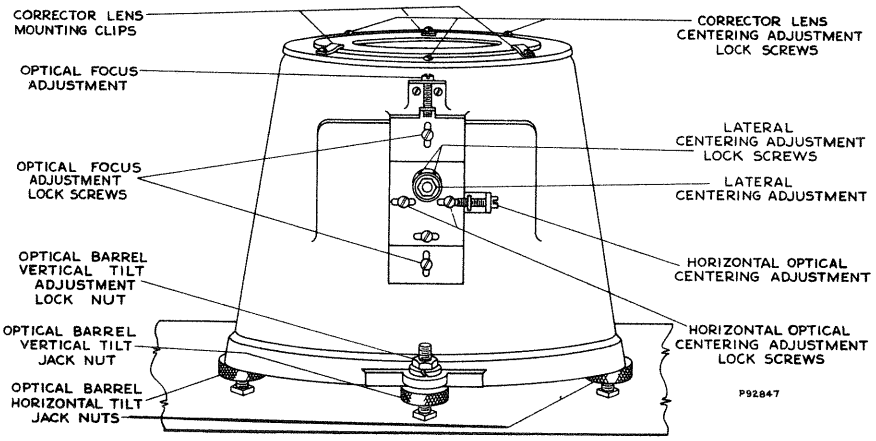


Figure 4—KRK-1A Optical Barrel Adjustments

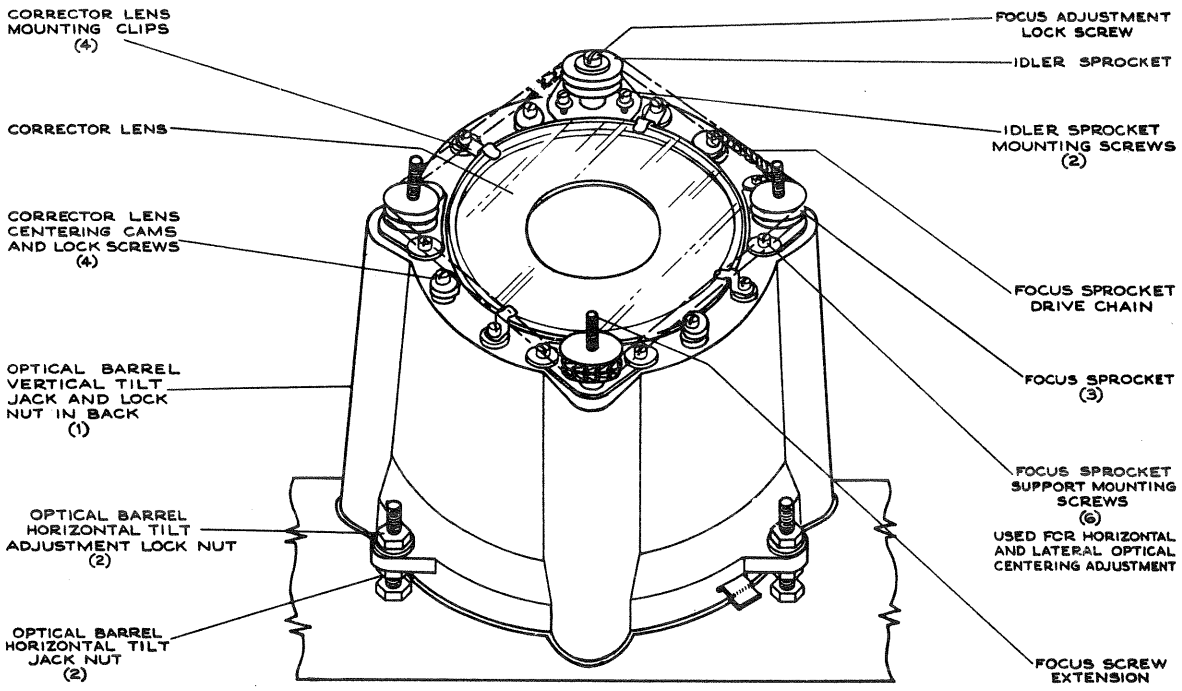


Figure 4—KRK-4 Optical Barrel Adjustments

Lateral Optical Adjustment—If the vertical lines are not parallel, loosen the lateral adjustment set screws and turn the lateral adjustment until the vertical lines are parallel. Tighten the adjustment set screws.

Horizontal Optical Adjustment—If the horizontal lines are not parallel, loosen the optical horizontal centering lock screws and turn the optical horizontal centering adjustment until the lines are parallel. Tighten the adjustment lock screws.

Corrector Lens Centering—Turn the focus adjustment until a halo appears around the dot in the center of the test lamp. If the halo is not symmetrical around the dot, loosen the three corrector lens lock screws and the three corrector lens mounting clip screws and shift the lens until the halo is symmetrical. Tighten the lens centering lock screws with the lens in this position.

Check of Optical Barrel Tilt—Adjust the optical focus control to and through the focus range. The picture should go through focus all over at the same time. This does not mean that the definition will be equal over all the picture, but it should be the best definition obtainable. If this is not the case, the optical barrel is not in alignment with the cabinet and requires adjustment as outlined in the following paragraph.

Optical Barrel Tilt Alignment—Turn the optical focus adjustment counterclockwise until the picture is out of focus then clockwise until the picture begins to come in focus. If one side comes into focus before the rest of the picture, it indicates that that side of the optical barrel should be raised. Loosen the lock nuts and turn the inner jack nuts, shown in Figure 4, to raise that side of the barrel and the other jack nut down to lower the other side of the barrel, until both sides of the picture come into focus at the same time.

If the top of the picture comes into focus first as the optical focus adjustment is turned clockwise, it indicates that the outer jack nut (nearest the focus controls) should be adjusted to raise the front of the optical barrel, until top and bottom come into focus at the same time.

When the barrel is properly adjusted, the entire picture will come into best focus all over at the same time as the focus control is rocked through the focus point. At this point the pattern should be in the center of the screen. When this condition of alignment is obtained, tighten the lock nuts being careful not to disturb the adjustments.

If the optical barrel tilt adjustments are made, it will be necessary to recheck the adjustments under Horizontal Optical Adjustments and Lateral Optical Adjustments.

Loosen all the kinescope ball head screws equally and just sufficiently to permit removal of the test lamp.

INSTALLATION OF KINESCOPE—The kinescope second anode contact is a recessed metal well in the side of the bulb. A small brass clip (from the carton containing the deflection yoke and front panel control knobs) must be placed in the kinescope anode connector and the tube inserted in the holder as shown in Figure 3. The tube must be installed so that the socket key on the base of the tube is pointed towards the horizontal chassis. Make sure that the anode clip is horizontal so that it cannot protrude out of the holder.

Open the kinescope shipping carton and remove the tube. Handle this tube by the neck. Do not cover the envelope of the tube with fingermarks as it will produce leakage paths between the high voltage rim near the screen and the grounded coating on the neck. If this portion of the tube has inadvertently been handled, wipe it clean with a soft cloth moistened with "dry" carbon tetrachloride, which is obtainable at most drug stores.

Wipe the kinescope screen clean of all dust or finger marks with a soft cloth moistened with the Drackett Co.'s "Windex" or similar cleaning agent.

Tighten the three ball screws equally to center the tube in the support. Caution: Do not apply too much pressure in tightening the ball screws as the tube can be cracked by so doing.

Wipe the corrector lens clean with a piece of lens tissue and replace making sure that the arrow on the lens points to the rear of the cabinet as before. Turn the lens mounting clips in place and tighten the clip screws.

Turn the deflection yoke so that the slotted end of the bakelite center tube is up and slide the yoke down over the neck of the kinescope. Connect the kinescope socket to the base of the tube. Turn the yoke so that the leads come out towards the rear of the cabinet.

Slip the yoke cables out through the cable sleeve in the optical barrel dust cover. The three-prong plug on the unshielded yoke cable should be plugged into the television r-f, i-f chassis as shown in Figure 5. The two-prong plug on the shielded yoke cable should be plugged into the horizontal deflection chassis. The shield braid extension from this cable should be grounded to the chassis by means of the screw provided for this purpose.

Caution—Do not turn the television receiver on with the deflection yoke cables disconnected. To do so may cause the destruction of the kinescope screen.

Remove the cover from the horizontal deflection chassis and take out the strings holding the high voltage filter capacitors in the clips during shipment. Replace the chassis cover.

Reconnect the speaker. Check all chassis interconnecting cables to make sure that all are plugged into the proper sockets as shown in Figure 5.

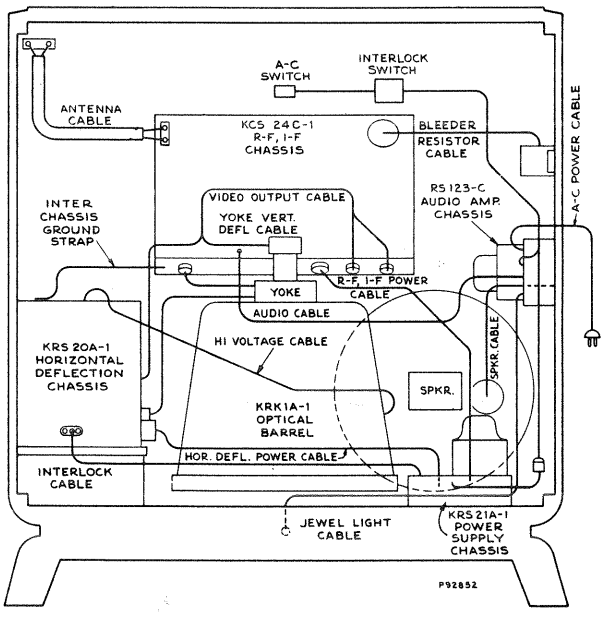


Figure 5—Chassis Interconnecting Cables

The antenna and power connections should now be made. Turn the power switch to the "on" position, the picture control counterclockwise and the brightness control clockwise until a glow appears on the screen.

Adjust the electrical focus control R331 on the horizontal deflection chassis until the raster lines are in sharpest focus as seen when looking down into the barrel. If necessary, reduce the brilliance control setting, and readjust the focus control.

Adjust the optical focus adjustment until the raster lines are in focus on the screen. Turn the deflection yoke until the raster lines are horizontal on the screen and tighten the yoke clamp in this position. Pull the dust cover down around the optical barrel.

Picture Adjustments—It will now be necessary to obtain a test pattern picture in order to make further adjustments. See step 3 through step 10 of the receiver operating instructions on page 3.

CHECK OF HORIZONTAL OSCILLATOR ALIGNMENT—The sync link (see Figure 7) must be in the normal position (2 to 3). Turn the horizontal hold control to the extreme counterclockwise position. The picture should remain in horizontal sync. Momentarily remove the signal by switching off channel then back. Normally the picture will pull into sync.

Turn the horizontal hold control to the extreme clockwise position. The picture should remain in sync. Momentarily remove the signal. Again the picture should normally pull into sync.

If the receiver passes the above checks and the picture is normal and stable, the horizontal oscillator is properly aligned. Skip "Alignment of Horizontal Oscillator" and proceed with HEIGHT AND VERTICAL LINEARITY ADJUSTMENTS.

ALIGNMENT OF HORIZONTAL OSCILLATOR—If in the above check the receiver failed to hold sync with the hold control at either extreme or failed to pull into sync after momentary removals of the signal, make the adjustments under "Slight Retouching Adjustments." If, after making these retouching adjustments, the receiver fails to pass the above checks or if the horizontal oscillator is completely out of adjustment, then make the adjustments under "Complete Realignment."

Slight Retouching Adjustments—Tune in a Television Station and adjust the fine tuning control for best sound quality. Sync the picture and adjust the picture control for slightly less than normal contrast. Turn the horizontal hold control to the extreme position in which the oscillator fails to hold or to pull in. Momentarily remove the signal. Turn the T301 frequency adjustment on the chassis rear apron until the oscillator pulls into sync. Check hold and pull-in for the other extreme position of the hold control.

Complete Realignment—Tune in a Television Station and adjust the fine tuning control for best sound quality.

With the sync link in the normal position (2-3), turn the T301 frequency adjustment (on rear apron), until the picture is synchronized. (If the picture is not synchronized vertically, adjust the vertical hold.) Adjust the picture control so that the picture is somewhat below average contrast level.

Turn the T301 phase adjustment screw (under chassis, see Figure 19) until the blanking bar, which may appear in the picture, moves to the right and off the raster. The range of this adjustment is such that it is possible to hit an unstable condition (ripples in the raster). The screw must be turned clockwise from the unstable position. The length of stud beyond the bushing in its correct position is usually about ½ inch.

Turn horizontal hold to extreme counterclockwise position. Turn T301 frequency adjustment clockwise until the picture falls out of sync. Then turn it slowly counterclockwise to the point where the picture falls in sync again.

Readjust T301 phase adjustment so that the left side of the picture is close to the left side of the raster, but does not begin to fold over.

Turn horizontal hold to extreme clockwise. The right side of the picture should be close to the right side of the raster, but should not begin to fold over. If it does, readjust the phase.

Momentarily remove the signal. When the signal is restored, the picture should fall in sync. If it doesn't, turn T301 frequency adjustment counterclockwise until the picture falls in sync.

Turn horizontal hold to extreme counterclockwise position. Remove the signal momentarily. When signal is restored, the picture should fall in sync.

NOTE: If the picture does not pull in sync after momentary removals of signal in both extreme positions of horizontal hold, the pull-in range may be inadequate, though not necessarily. A pull-in through ¾ of the hold control range may still be satisfactory.

There is a difference between the pull-in range and hold-in range of frequencies. Once in sync, the circuit will hold about 50% to 100% more variation in frequency than it can pull in. The range of the horizontal hold control is only approximately equal to the pull-in range, considerable variation may be found due to variations in the cut-off characteristic of the horizontal oscillator control tubes, V303.

Excessive pull-in is objectionable because the higher sensitivity of the control circuits means also greater susceptibility to noise, and to the vertical sync and equalizing pulses which tend to cause a bend in the upper part of the raster. This effect is more noticeable when the sync link is in the 1-2 position.

Now that a picture has been obtained we may proceed with the picture adjustments.

Adjust the electrical and optical focusing adjustments for maximum definition in the vertical wedge of the test pattern.

HEIGHT AND VERTICAL LINEARITY ADJUSTMENTS—Adjust the height control (R149 on r-f, i-f chassis rear apron) until the picture fills the screen vertically. Adjust vertical linearity (R175 on rear apron), until the test pattern is symmetrical from top to bottom. Adjustment of either control will require a readjustment of the other. Adjust vertical centering to align the picture with the mask. In some cases it may be necessary to shift the position of the kinescope in the holder (see Figure 3) in order to obtain proper centering of the picture.

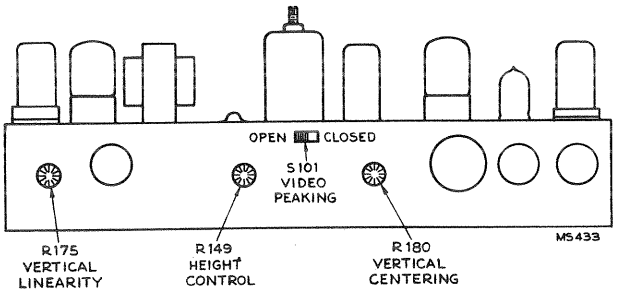


Figure 6—R-F, I-F Rear Chassis Adjustments

WIDTH AND HORIZONTAL LINEARITY ADJUSTMENTS—Turn the horizontal drive (R340 on rear apron) clockwise as far as possible without causing crowding of the right of the picture. This position provides maximum high voltage to the kinescope second anode. Adjust the horizontal linearity control R351 (see Figure 7) until the test pattern is symmetrical left to right. A slight readjustment of the horizontal drive control may be necessary when the linearity control is used. Adjust the width control (L302 on rear chassis) until the picture just fills the screen horizontally. Adjust horizontal centering to align the picture with the mask. In some cases it may be necessary to shift the position of the kinescope in the holder in order to obtain proper centering of the picture.

Do not turn the horizontal drive control beyond approximately ⅞ of its maximum clockwise position. To do so may cause the output stage to oscillate and result in the loss of horizontal sync.

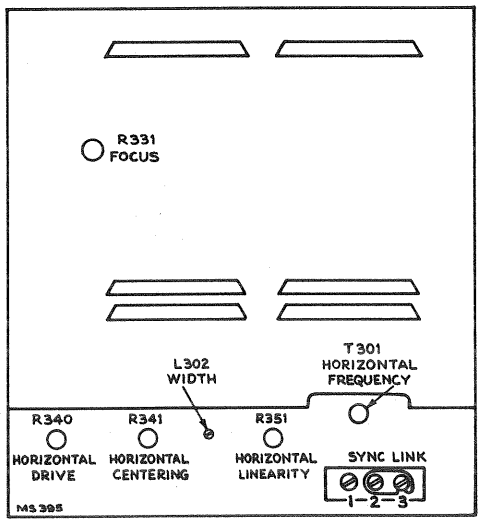


Figure 7—Horizontal Deflection Chassis Adjustments

FOCUS—Adjust the focus control for maximum definition in the test pattern vertical "wedge." Adjust the optical focus adjustment for best overall focus on the screen.

Check to see that all yoke and optical barrel lock screws are tight.

Pull the dust cover down around the top of the optical barrel and tie it securely and tightly in place as shown in Figure 2. Tie the cable sleeve tight around the leads to prevent the entry of dust. These precautions are very important for if dust is permitted to enter and settle on the corrector lens, the optical efficiency of the system will be greatly impaired, resulting in a dim picture with poor definition.

CHECK OF R-F OSCILLATOR ADJUSTMENTS—Tune in all available Television Stations to see if the receiver r-f oscillator is adjusted to the proper frequency on these channels. If adjustments are required, these should be made by the method outlined in the alignment procedure of the Service Data for Model 648PTK. The adjustments for channels 1 through 5 and 7 through 12 are available from the front of the cabinet by removing the station selector escutcheon as shown in Figure 8. Adjustments for channels 6 and 13 are under the chassis. Observe the picture for detail, for proper interlacing and for the presence of interference or reflections.

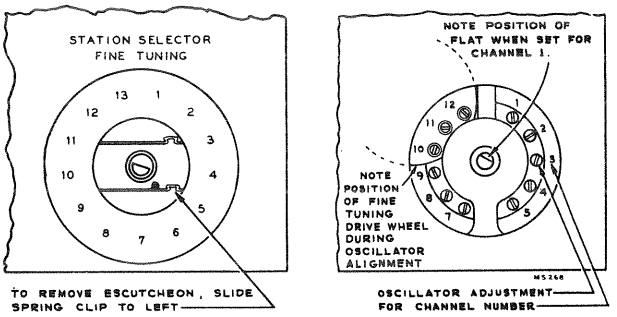


Figure 8—R-F Oscillator Adjustments

ANTENNA TRAP—In some instances interference may be encountered from FM stations that are on the image frequency of a television station. In other instances interference may be observed on channel 6 from a station on channel 10 or on channel 5 from a station on channel 7.

In some sets, a series resonant trap across the r-f amplifier grid circuit is provided to eliminate this type of interference.

To adjust the trap in the field, tune in the station on which the interference is observed. Tune both cores of the trap for minimum interference in the picture. See Figure 14 for the location of the trap. Keep both cores approximately the same by visual inspection. Then, turn one core ½ turn from the original position and repeak the second for maximum rejection. Repeat this process until the best rejection is obtained.

VIDEO PEAKING SWITCH—A video peaking switch is provided (see Figure 6) to permit changing the video response. Normally the switch should be left open. However, if the pictures from the majority of stations look better with the switch closed, then the switch should be placed in that position. However, if transients are produced on high contrast pictures then the switch should be left open.

Replace the cabinet back grille. Make sure the screws which hold the back grille in place are tight, otherwise the back may rattle or buzz when the receiver is operating at high volume.

The KCS24C-1 R-F, I-F chassis employed in 8PCS41-B and 8PCS41-C receivers is wired so that a remote picture and brightness control can be added as an attachment. The attachment is not provided and the chassis attachment socket is fitted with a dummy plug. The attachment schematic is shown in Fig. 23.

VENTILATION CAUTION—The receiver is provided with adequate ventilation holes in the bottom and back of the cabinet. Care should be taken not to allow these holes to be covered or ventilation to be impeded in any way. If the receiver is to be operated with the back of the cabinet near a wall, at least a two-inch clearance should be maintained between cabinet and wall.

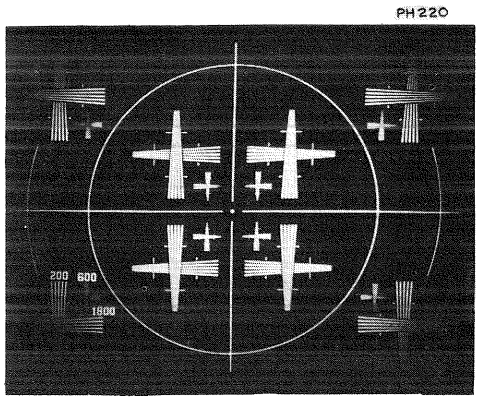


Figure 9—Correct Picture of Optical Test Lamp Pattern

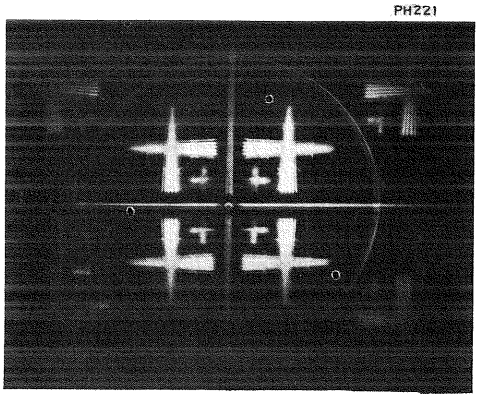


Figure 10—Optical Barrel Focus Adjustment Misadjusted

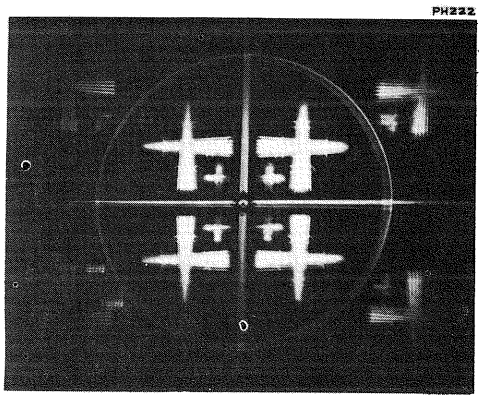


Figure 11—Optical Barrel Horizontal Centering Adjustment Misadjusted

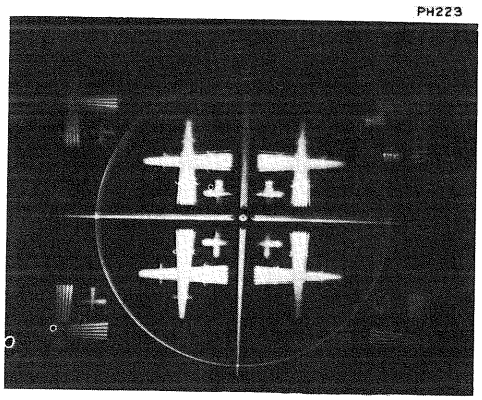


Figure 12—Optical Barrel Lateral Centering Adjustment Misadjusted

CHASSIS VIEWS

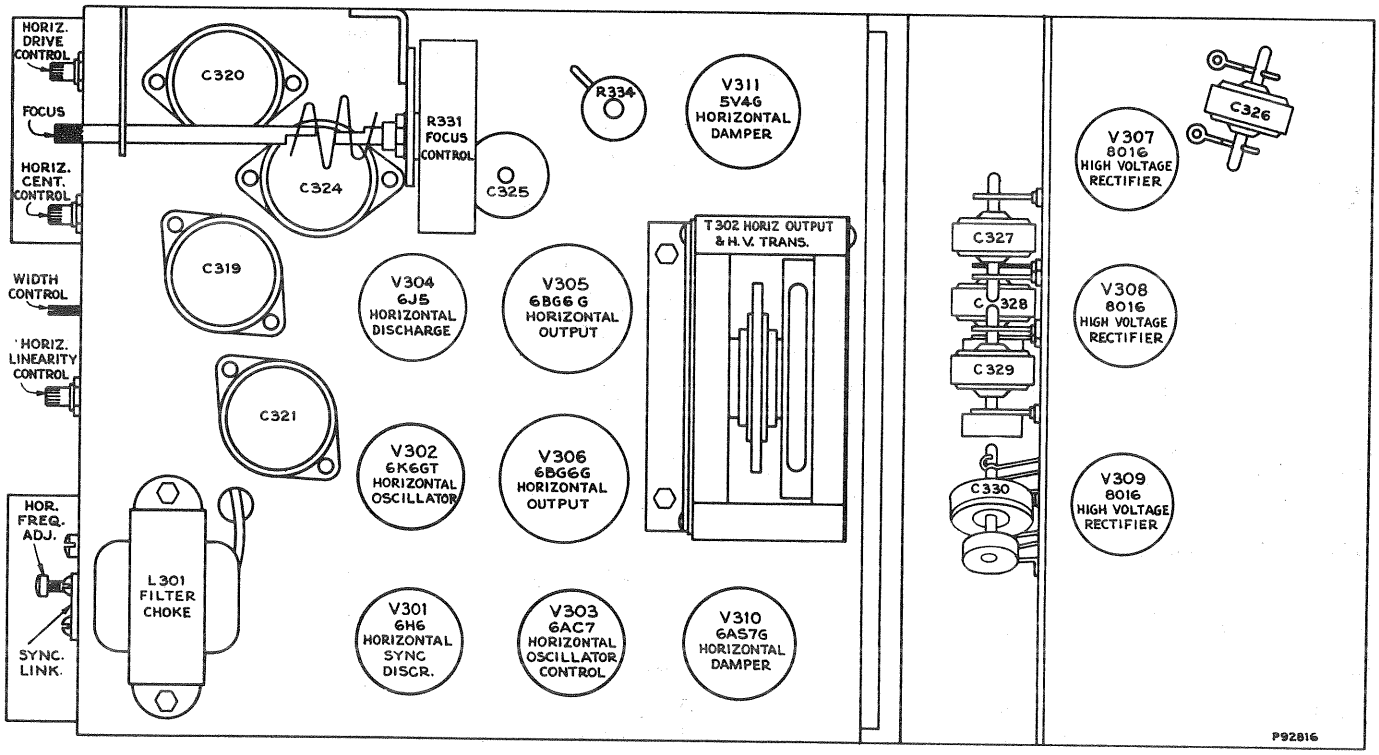


Figure 13—Horizontal Deflection Chassis Top View

741PCS, 8PCS41

VOLTAGE CHART

Measurements made with receiver operating on 117 volts 60 cycles a-c and with no signal input. Voltages shown are read with Jr. "VoltOhmyst" between indicated terminal and chassis ground. Symbol < means "less than."

R-F, I-F CHASSIS, KCS 24B-1 OR KCS 24C-1

Tube No.	Tube Type	Function	Operating Condition **	E. Plate		E. Screen		E. Cathode		E. Grid		I Plate (ma.)	I Screen (ma.)	Notes on Measurements
				Pin No.	Volts	Pin No.	Volts	Pin No.	Volts	Pin No.	Volts			
V1	6J6	R-F Amplifier	Pictr. Min.	1 & 2	133	—	—	7	0	5 & 6	-34	<.1*	—	*Per Plate
			Pictr. Max.	1 & 2	58	—	—	7	0	5 & 6	-.25	6.0*	—	*Per Plate
V2	6J6	Converter	Pictr. Min.	1 & 2	128	—	—	7	0	5 & 6	-3 to -6.	.5 to 4*	—	*Per Plate
			Pictr. Max.	1 & 2	93	—	—	7	0	5 & 6	-2 to -5.	.2 to 3*	—	*Per Plate
V3	6J6	R-F Oscillator	Pictr. Min.	1 & 2	110	—	—	7	.3	5 & 6	-4.5 to -6.5	2.5*	—	*Per Plate
			Pictr. Max.	1 & 2	80	—	—	7	.2	5 & 6	-3.5 to -5.	1.7*	—	*Per Plate
V101	6BA6	1st Sound I-F Amplifier	Pictr. Min.	5	125	6	125	7	2.0	1	0	15.2	6.2	
			Pictr. Max.	5	107	6	107	7	1.65	1	0	13.	5.1	
V102	6BA6	2d Sound I-F Amplifier	Pictr. Min.	5	125	6	125	7	2.0	1	0	15.4	6.2	
			Pictr. Max.	5	107	6	107	7	1.65	1	0	13.2	5.0	
V103	6AU6	3d Sound I-F Amplifier	Pictr. Min.	5	47	6	47	7	0	1	-.23	2.8	2.8	
			Pictr. Max.	5	41	6	41	7	0	1	-.23	2.9	1.8	
V104	6AL5	Sound Discrim.	Pictr. Min.	2 & 7	-.35	—	—	4 & 5	—	—	—	—	—	
			Pictr. Max.	2 & 7	-.45	—	—	4 & 5	—	—	—	—	—	
V105-A	6AL5	AGC Detector	Pictr. Min.	2	-110	—	—	5	-110	—	—	—	—	
			Pictr. Max.	2	-110	—	—	5	-110	—	—	—	—	
V105-B	6AL5	Picture 2d Det.	Pictr. Min.	7	.15	—	—	1	0	—	—	—	—	
V106	6AT6	AGC Amplifier	Pictr. Min.	7	-33	—	—	2	-110	1	-108	—	—	
			Pictr. Max.	7	0	—	—	2	-110	1	-105	—	—	
V107-A	6AL5	AGC Diode	Pictr. Min.	7	-8.0	—	—	1	-8.0	—	—	—	—	
			Pictr. Max.	7	-3.2	—	—	1	-0.9	—	—	—	—	
V107-B	6AL5	DC Restorer	Brightness Min.	2	-110	—	—	5	-97	—	—	—	—	
			Brightness Max.	2	-1	—	—	5	0	—	—	—	—	
V108	6AG5	1st Pix. I-F Amplifier	Pictr. Min.	5	143	6	143	2 & 7	0	1	-8.1	0	0	
			Pictr. Max.	5	103	6	103	2 & 7	.2	1	-1.0	4.5	1.1	
V109	6AG5	2d Pix. I-F Amplifier	Pictr. Min.	5	145	6	145	2 & 7	0	1	-8.1	0	0	
			Pictr. Max.	5	117	6	117	2 & 7	.2	1	-1.0	3.9	1.3	
V110	6AG5	3d Pix. I-F Amplifier	Pictr. Min.	5	147	6	147	2 & 7	0	1	-8.1	0	0	
			Pictr. Max.	5	100	6	111	2 & 7	.21	1	-1.0	4.5	1.3	
V111	6AG5	4th Pix. I-F Amplifier	Pictr. Min.	5	98	6	138	2 & 7	1.4	1	0	7.3	2.3	
			Pictr. Max.	5	82	6	115	2 & 7	1.15	1	0	6.1	1.9	
V112	6AU6	1st Video Amplifier	Pictr. Min.	5	188	6	150	7	0	1	-2.25	6.7	2.6	
			Pictr. Max.	5	205	6	130	7	0	1	-2.35	4.3	1.6	
V113	6V6-GT	2d Video Amplifier	Pictr. Min.	3	180	4	255	8	8.9	5	-3.9	31.5	9.0	
			Pictr. Max.	3	175	4	249	8	8.5	5	-3.9	30.0	8.5	

VOLTAGE CHART

R-F, I-F CHASSIS, KCS 24B-1 OR KCS 24C-1 (Continued)

Tube No.	Tube Type	Function	Operating Condition **	E. Plate		E. Screen		E. Cathode		E. Grid		I Plate (ma.)	I Screen (ma.)	Notes on Measurements
				Pin No.	Volts	Pin No.	Volts	Pin No.	Volts	Pin No.	Volts			
V114	6SK7	1st Sync. Amplifier	Pictr. Min.	8	165	6	113	5	0	4	−4.5	8.5	1.2	
			Pictr. Max.	8	180	6	99	5	0	4	−4.7	4.3	1.1	
V115	6SH7	2d Sync. Amplifier	Pictr. Min.	8	150	6	150	5	0	4	−5.3	0	0	
			Pictr. Max.	8	130	6	130	5	0	4	−5.6*	0	0	*Depends on noise
V116	6J5	3d Sync. Amplifier	Pictr. Min.	3	82	—	—	8	0	5	−.4	8.5	—	
			Pictr. Max.	3	73	—	—	8	0	5	−.4*	6.8	—	*Depends on noise
V117	6J5	Vertical Oscillator	Pictr. Min.	3	40*	—	—	8	−110	5	−144	.17	—	*Height, linearity and hold affect readings 2 to 1
V118	6K6-GT	Vertical Output	Pictr. Min.	3	215	4	215*	8	−81	5	−97	16.3	*	*Screen connected to plate
V119	6AT6	Audio Amplifier	Pictr. Min	7	+75	—	—	2	0	1	−1	.13	—	
		HORIZONTAL DEFLECTION CHASSIS, KRS 20A-1 OR KRS 20B-1												
V301	6H6	Horizontal Sync. Discr.	Pictr. Min.	3 5	−5.0 −5.0	—	—	4 8	−3.2 −2.2	—	—	—	—	
V302	6K6-GT	Horizontal Oscillator	Hold Max. Resistance	3	240	4	220	8	.30	5	−27.5	23.3	6.12	
			Hold Min. Resistance	3	230	4	192	8	.32	5	−23.0	24.8	6.87	
V303	6AC7	Horizontal Osc. Control	Pictr. Min.	8	246	6	127	5	0	4	−3	2.9	.75	
V304	6J5	Horizontal Discharge	Pictr. Min.	3	78	—	—	8	0	5	−38	.9	—	
V305	6BG6-G	Horizontal Output	Pictr. Min.	Cap	Do not Meas.*	8	280	3	14.0	5	−8	78	9.6	*6000 volt pulse present
V306	6BG6-G	Horizontal Output	Pictr. Min.	Cap	Do not Meas.*	8	280	3	14.0	5	−8	78	9.6	*6000 volt pulse present
V307	8016	H. V. Rectifier	Brightness Min.	Cap	*	—	—	2 & 7	10,500	—	—	—	—	*10,500 volt pulse present
			Brightness Max.	Cap	*	—	—	2 & 7	10,000	—	—	—	—	*10,500 volt pulse present
V308	8016	H. V. Rectifier	Brightness Min.	Cap	10,000	—	—	2 & 7	20,000	—	—	—	—	
			Brightness Max.	Cap	9,500	—	—	2 & 7	19,500	—	—	—	—	
V309	8016	H. V. Rectifier	Brightness Min.	Cap	19,500	—	—	2 & 7	29,000	—	—	—	—	
			Brightness Max.	Cap	18,500	—	—	2 & 7	28,000	—	—	—	—	
V310	6AS7-G	Damper	Pictr. Min.	2 & 5	Do not	—	—	3 & 6	470	1 & 4	290	78*	—	*Total both plates ‡1200 volt pulse present
V311	5V4G	Damper	Pictr. Min.	4 & 6	Meas.‡	—	—	8	570	—	—	156*	—	
V312	5TP4	Kinescope	Brightness Min.	Cap	29,000*	10	200	11	0	2	−98	0	—	*Measured with "VoltOhmyst" and high voltage multiplier probe
			Brightness Max.	Cap	28,000*	10	200	11	0	2	−43	.35	—	
		POWER SUPPLY CHASSIS, KRS 21A-1												
V401	5U4G	Lo. V. Rectifier	Pictr. Min.	4 & 6	—	—	—	2 & 8	493	—	—	235*	—	*Total for both tubes
V402	5U4G	Lo. V. Rectifier	Pictr. Min.	4 & 6	—	—	—	2 & 8	493	—	—	*	—	
V403	5U4G	Lo. V. Rectifier	Pictr. Min.	4 & 6	—	—	—	2 & 8	265	—	—	172	—	

** Where separate readings are not listed for max. and min. gain settings of the picture control, the effect of the control is slight and readings are given for "Picture Min."

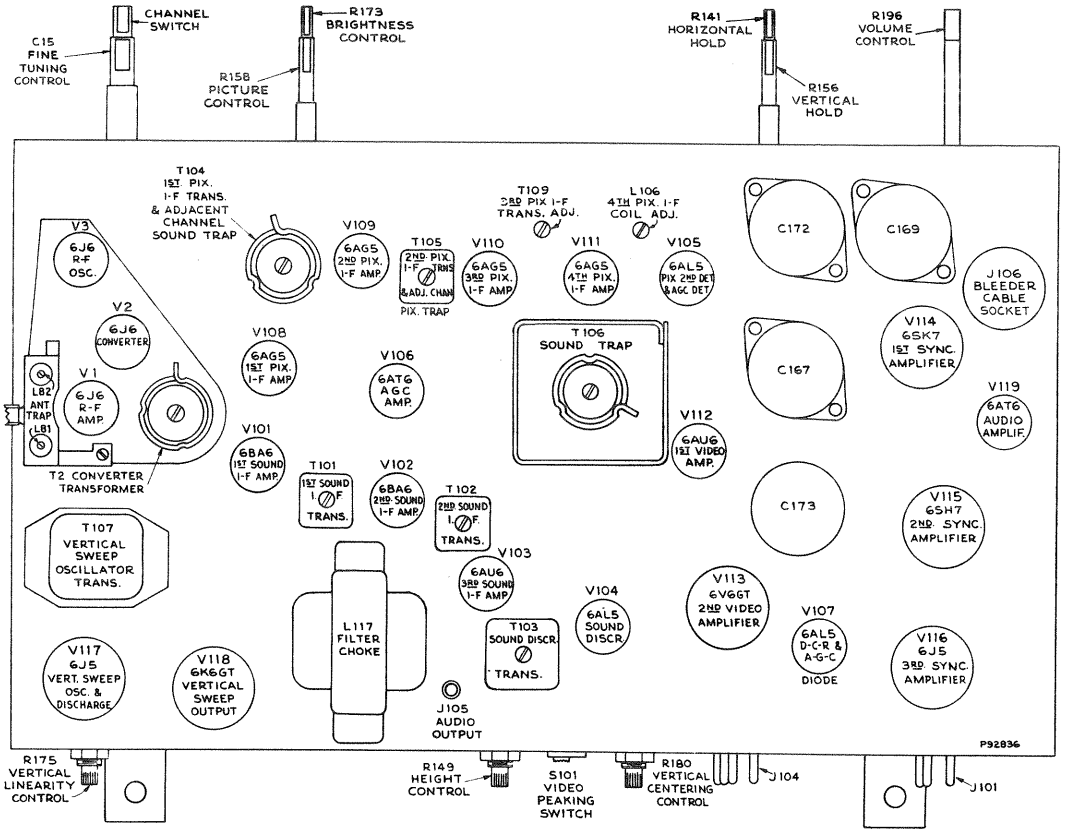


Figure 14—R-F, I-F Chassis Top View

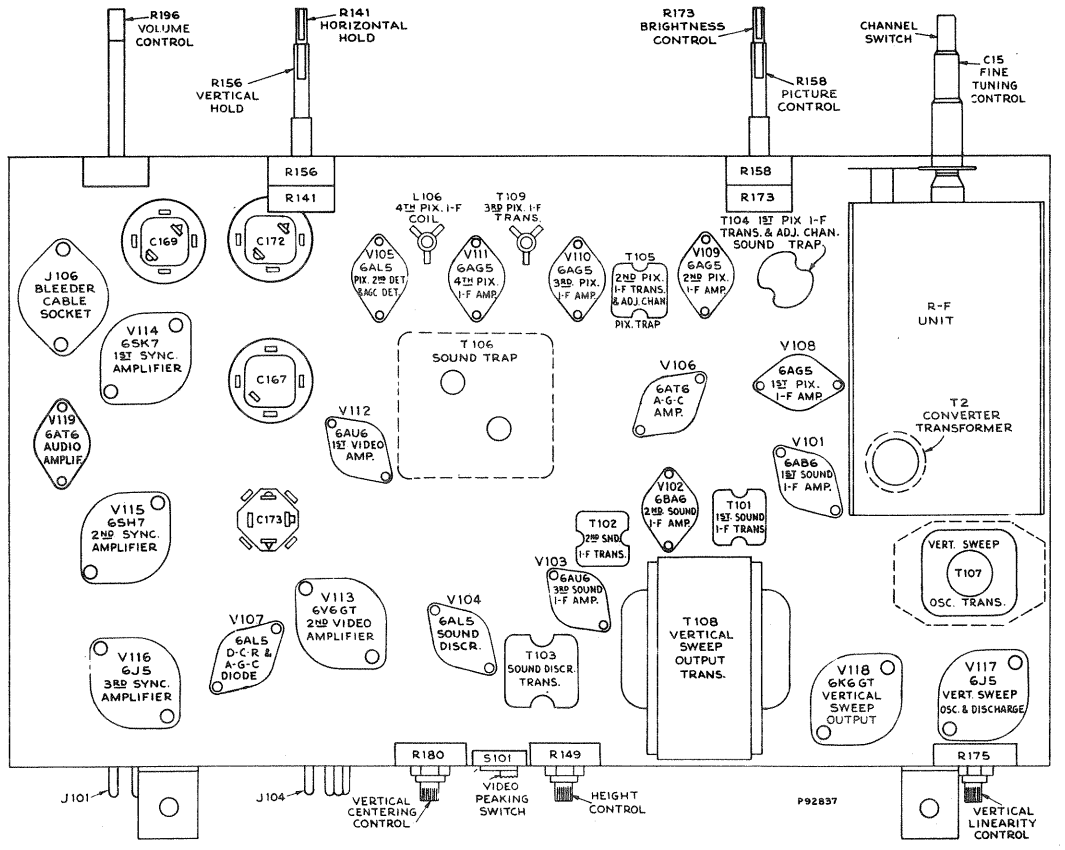


Figure 15—R-F, I-F Chassis Bottom View

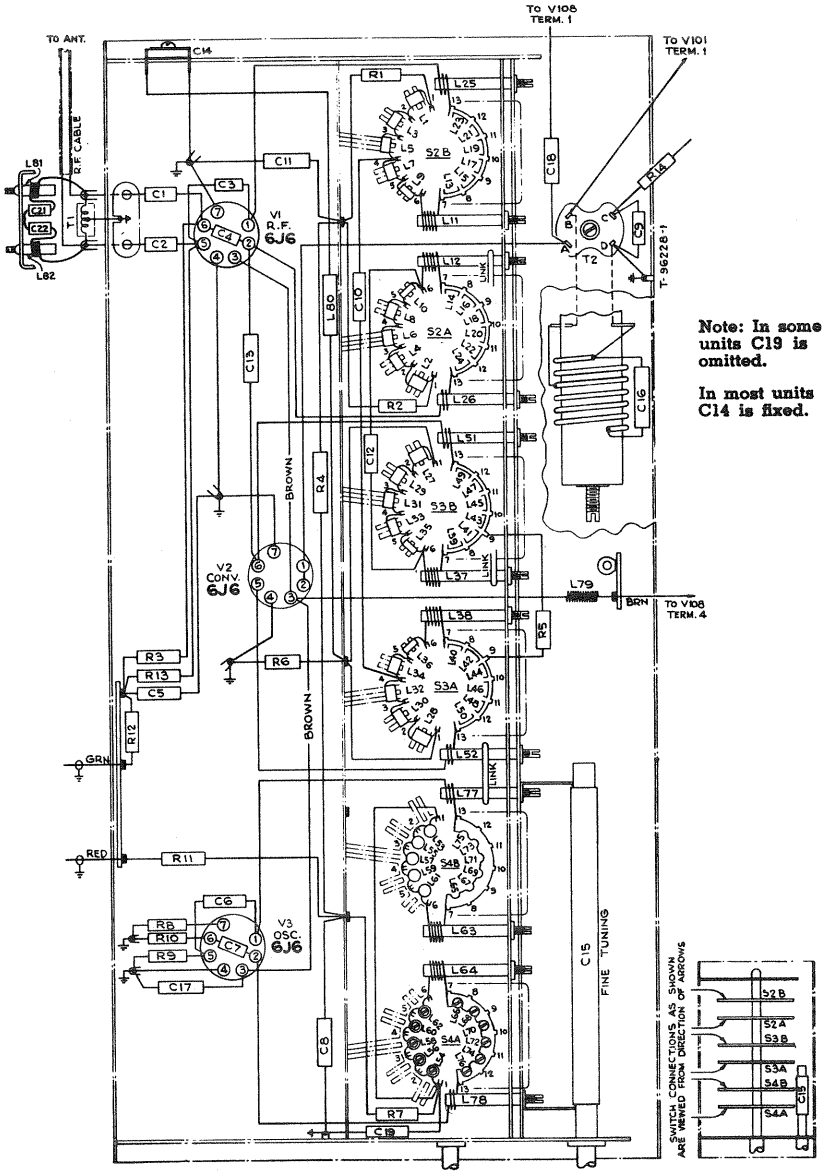


Figure 16—Television R-F Unit Wiring Diagram

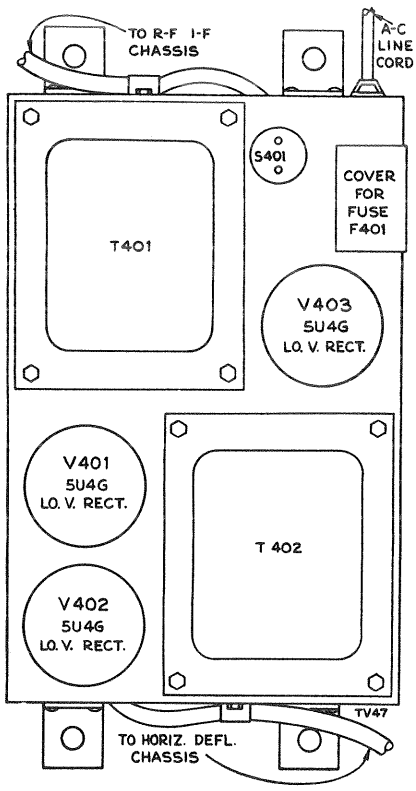


Figure 17—Power Supply, Top View

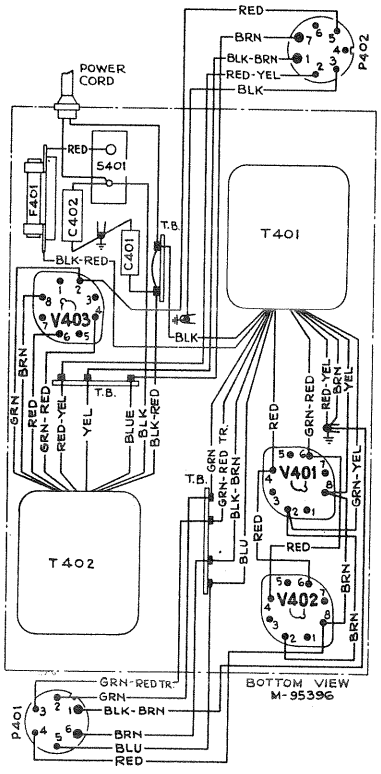
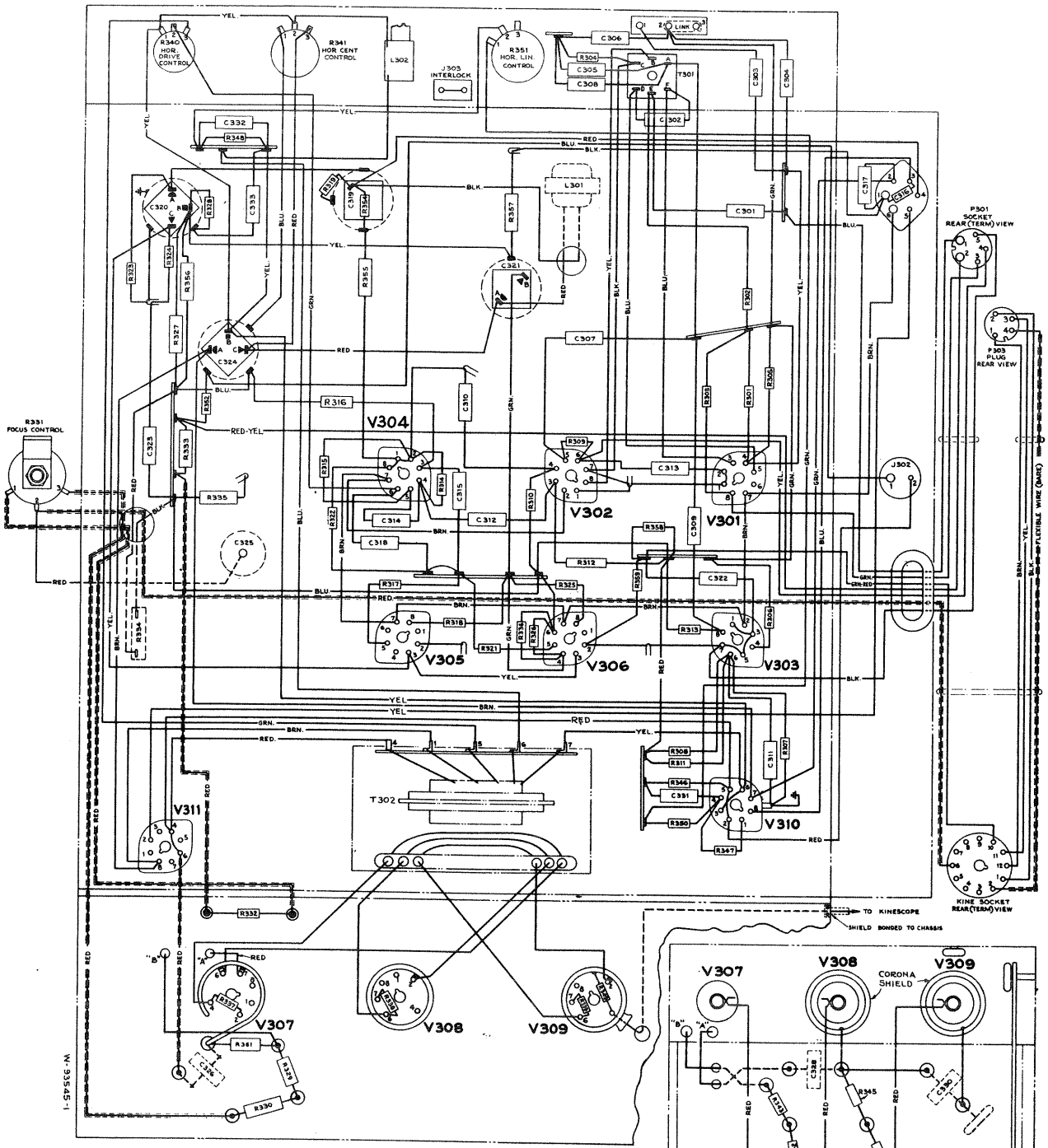
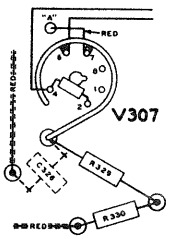


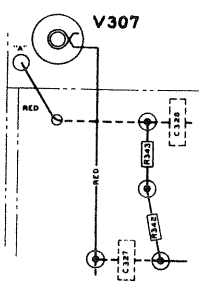
Figure 18—Power Supply Wiring Diagram

CHASSIS WIRING DIAGRAM



In some receivers R360 may be omitted.





In receivers not having R361, detail is as shown above.

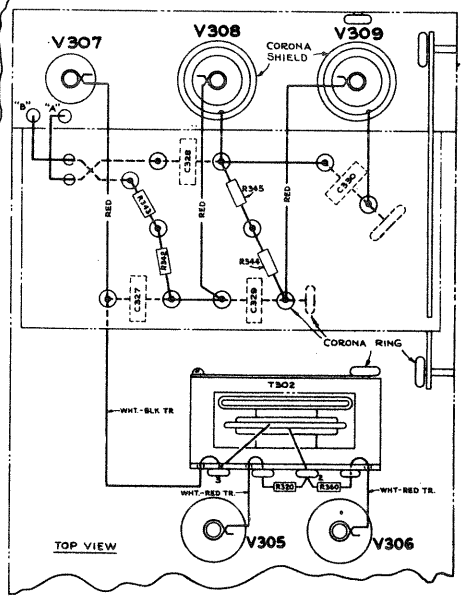


Figure 19—Horizontal Deflection Chassis Wiring Diagram

CHASSIS WIRING DIAGRAM

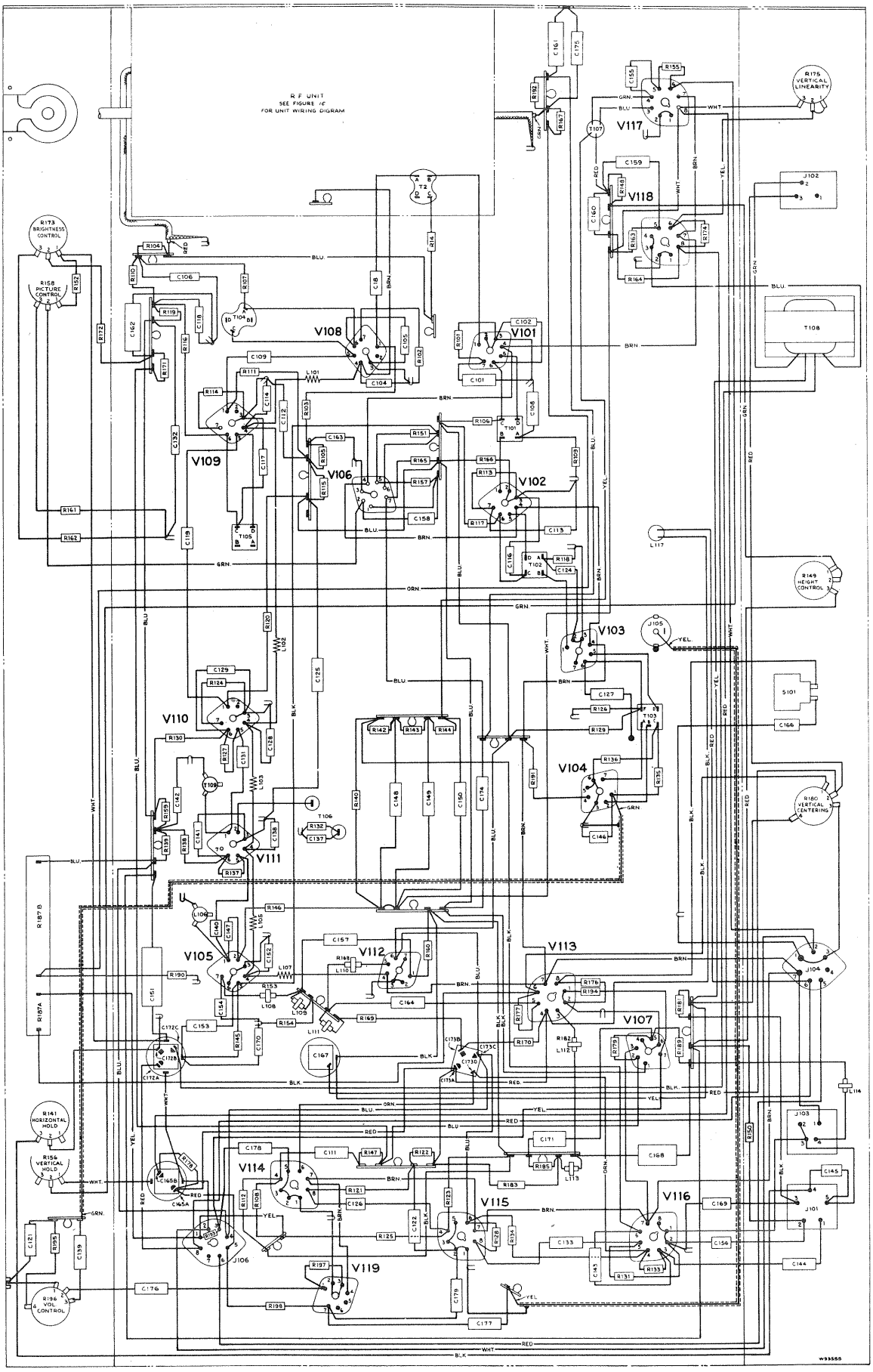
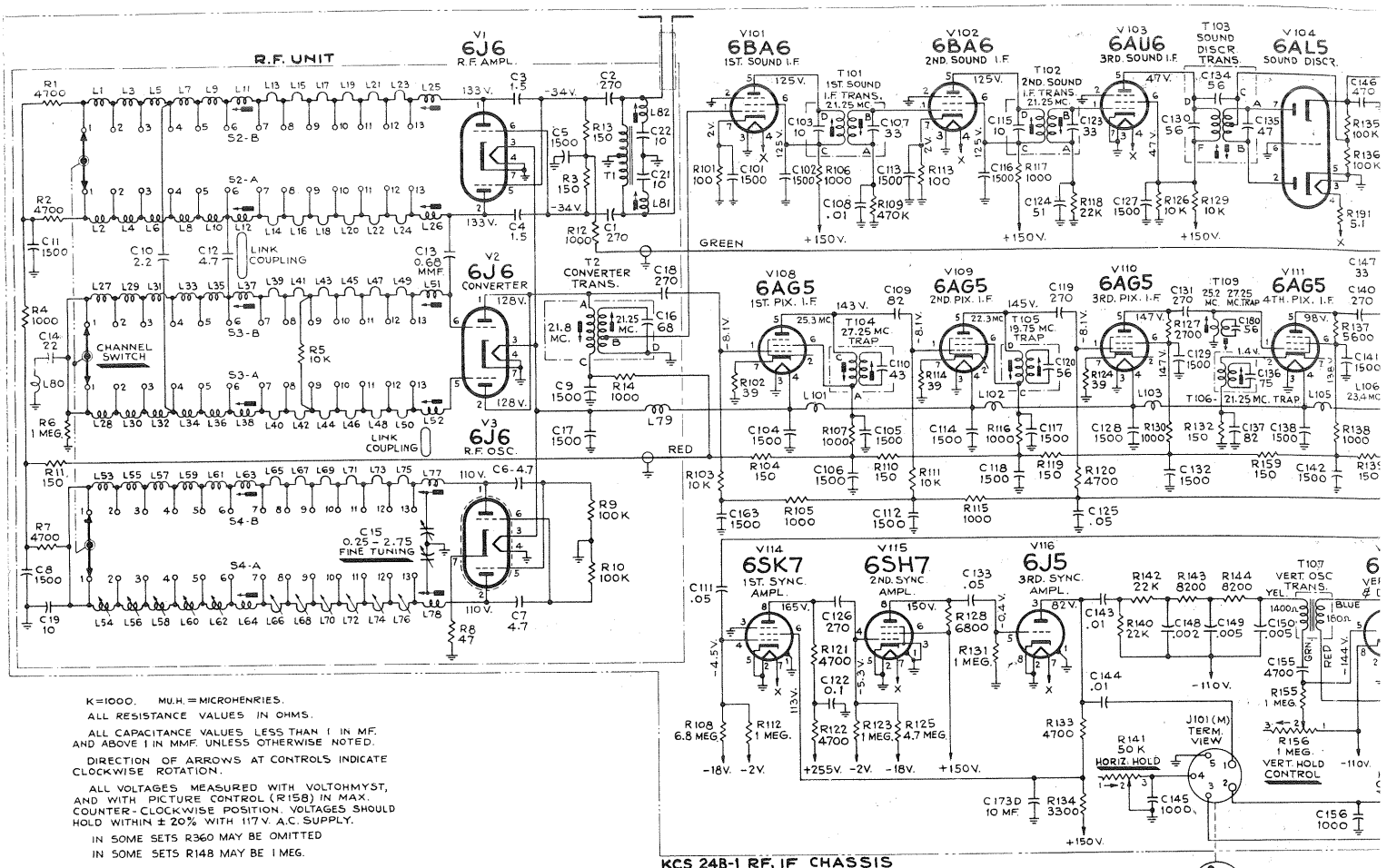


Figure 20—R-F, I-F Chassis Wiring Diagram KCS 24B-1



K=1000. MU.H. = MICROHENRIES.

ALL RESISTANCE VALUES IN OHMS.

ALL CAPACITANCE VALUES LESS THAN 1 IN MF. AND ABOVE 1 IN MMF. UNLESS OTHERWISE NOTED.

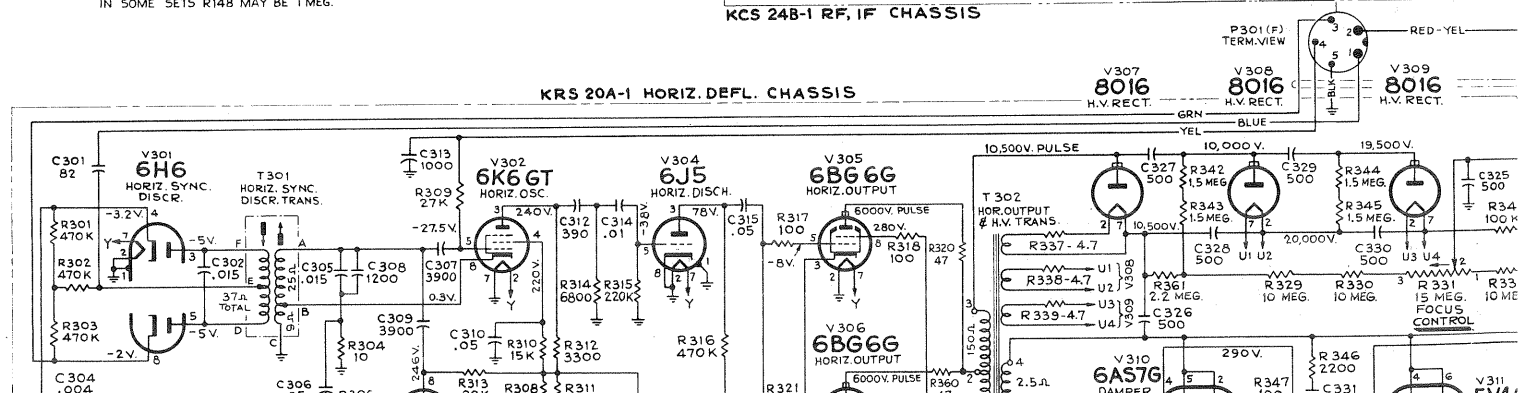
DIRECTION OF ARROWS AT CONTROLS INDICATE CLOCKWISE ROTATION.

ALL VOLTAGES MEASURED WITH VOLTOHMYST, AND WITH PICTURE CONTROL (R158) IN MAX. COUNTER-CLOCKWISE POSITION. VOLTAGES SHOULD HOLD WITHIN ± 20% WITH 117 V. A.C. SUPPLY.

IN SOME SETS R360 MAY BE OMITTED

IN SOME SETS R148 MAY BE 1 MEG.

KCS 24B-1 RF, IF CHASSIS



All resistance values in ohms. K=1000.

All capacitance values less than 1 in MF and above 1 in MMF unless otherwise noted.

Coil resistance values less than 1 ohm are not shown.

Direction of arrows at controls indicates clockwise rotation.

All voltages measured with "Volt-Ohmyst" and with picture control counterclockwise. Voltages should hold within ±20% with 117 v. a-c supply.

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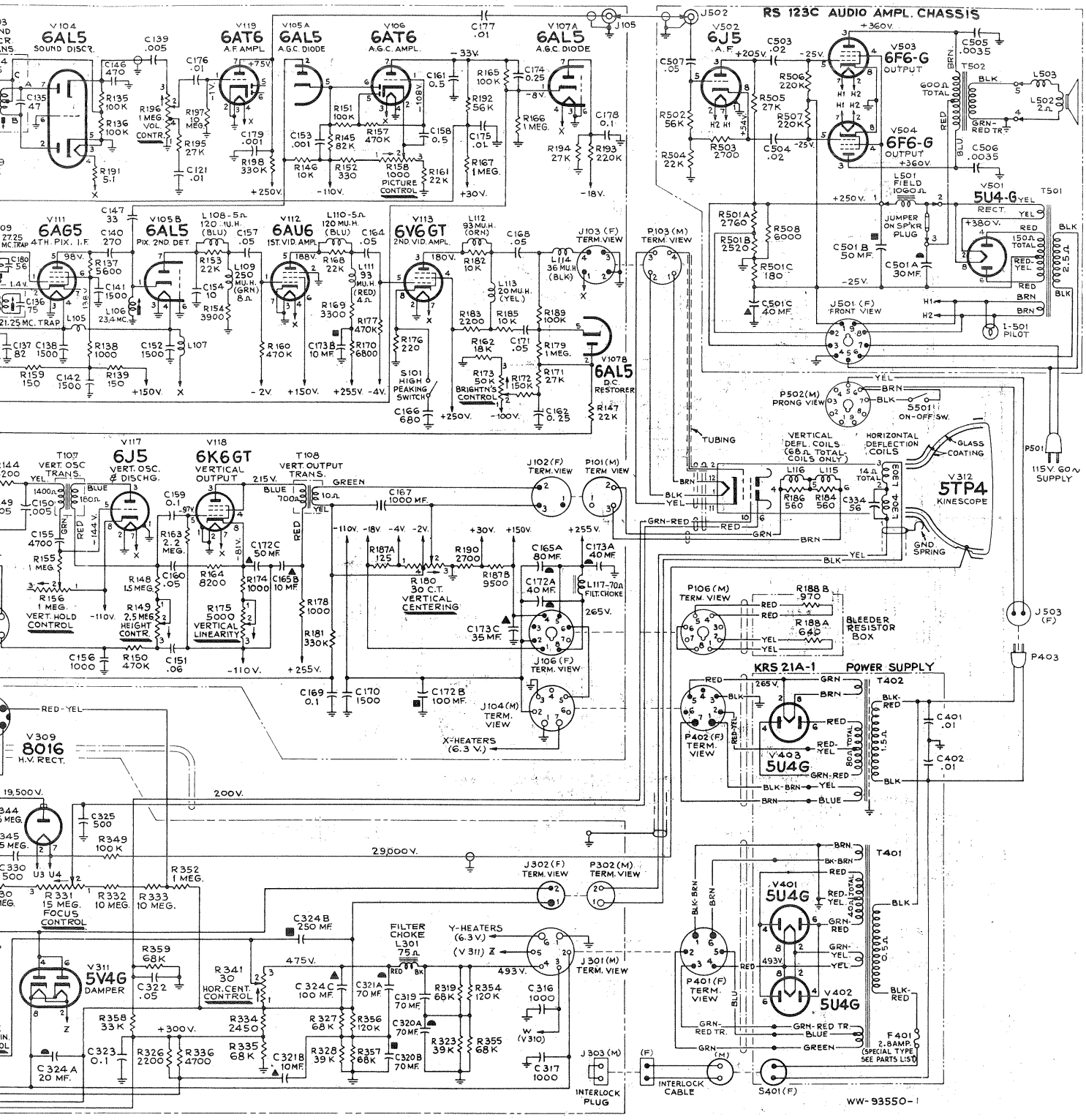


Figure 21—Schematic Diagram

In some receivers, substitutions have caused changes in component lead color codes, in electrolytic capacitor values and their lug identification markings.

In some receivers, C-19 is omitted.

In most receivers, C14 is fixed.

In some receivers R162 is 33K.

In some receivers, the trap winding on T109 is omitted.

In some receivers, R148 is 1 meg.

In some receivers, R360 is omitted.

In some receivers, R164 is 6800.

In some receivers, R361 is replaced by a short circuit.

CHASSIS WIRING DIAGRAM

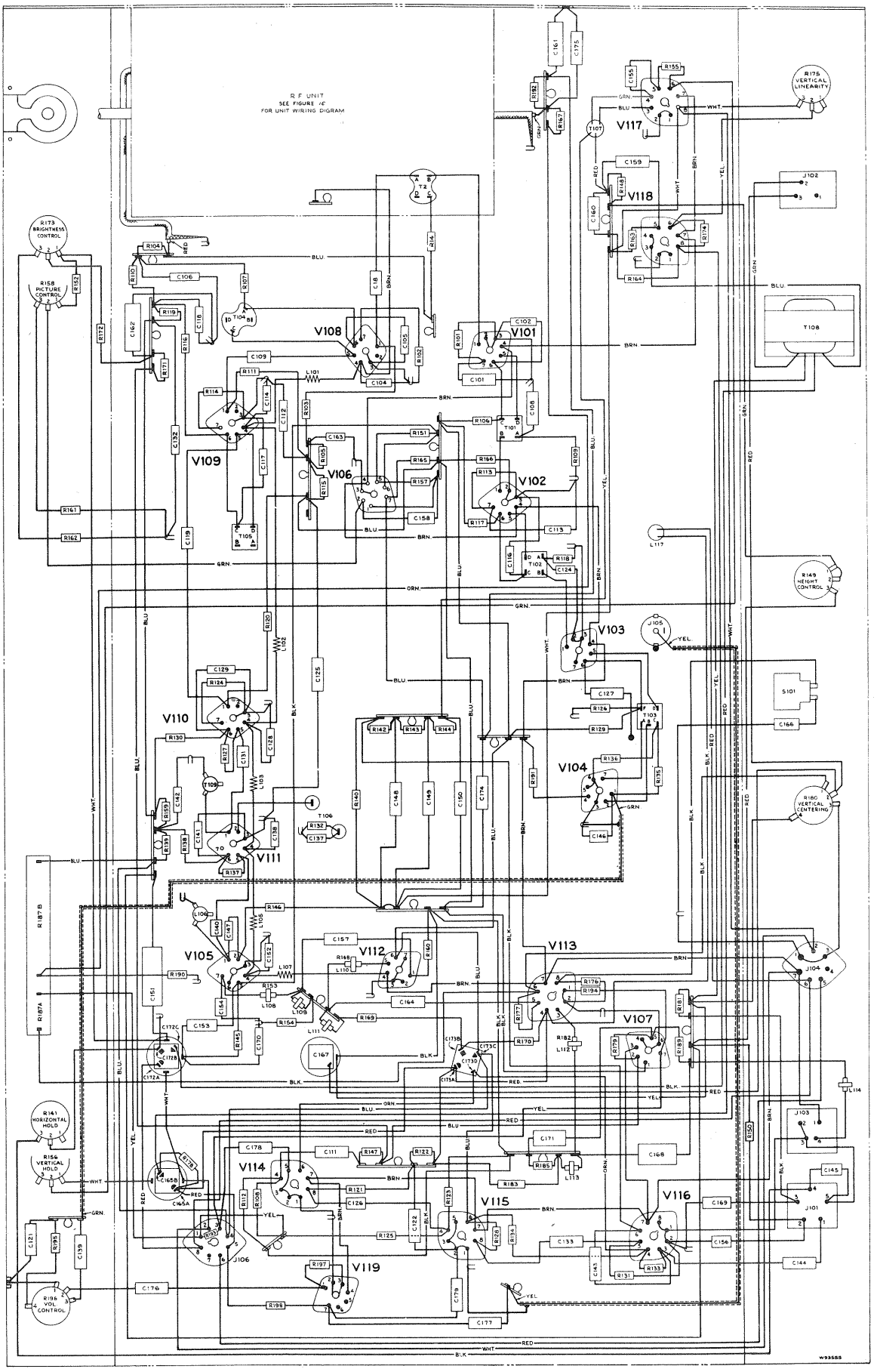
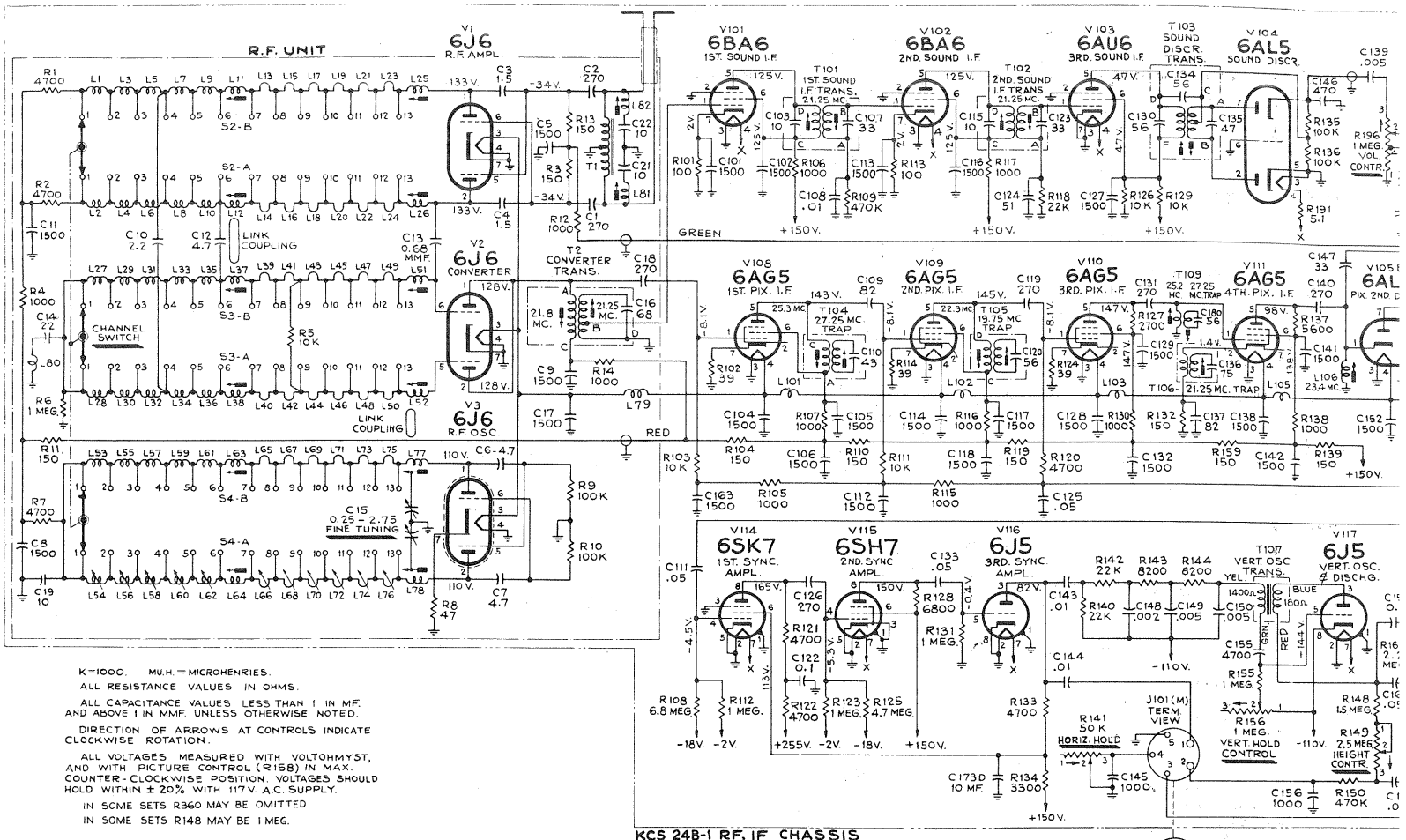


Figure 20—R-F, I-F Chassis Wiring Diagram KCS 24B-1



K=1000. MU.H.=MICROHENRIES.

ALL RESISTANCE VALUES IN OHMS.

ALL CAPACITANCE VALUES LESS THAN 1 IN MF. AND ABOVE 1 IN MMF. UNLESS OTHERWISE NOTED.

DIRECTION OF ARROWS AT CONTROLS INDICATE CLOCKWISE ROTATION.

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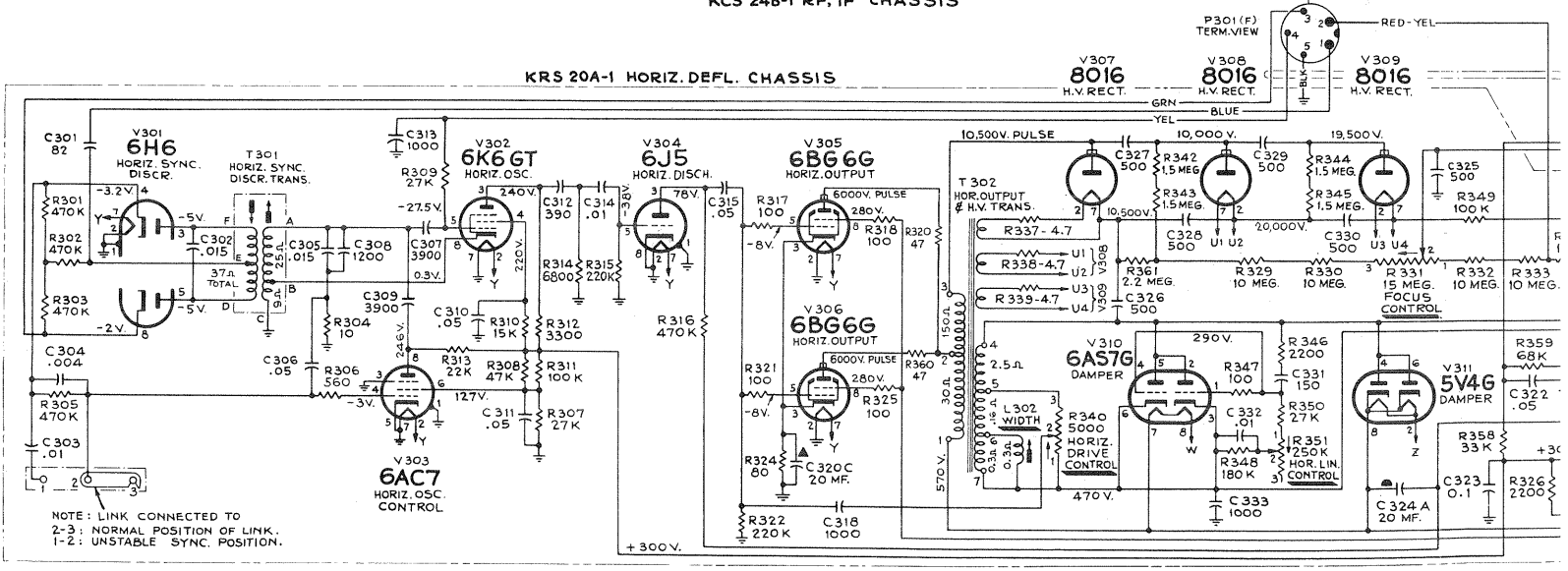
IN SOME SETS R360 MAY BE OMITTED

IN SOME SETS R148 MAY BE 1 MEG.

KCS 24B-1 RF, IF CHASSIS

KRS 20A-1 HORIZ. DEFL. CHASSIS



All resistance values in ohms. K=1000.

All capacitance values less than 1 in MF and above 1 in MMF unless otherwise noted.

Coil resistance values less than 1 ohm are not shown.

Direction of arrows at controls indicates clockwise rotation.

All voltages measured with "Volt-Ohmyst" and with picture control counterclockwise. Voltages should hold within ±20% with 117 v. a-c supply.

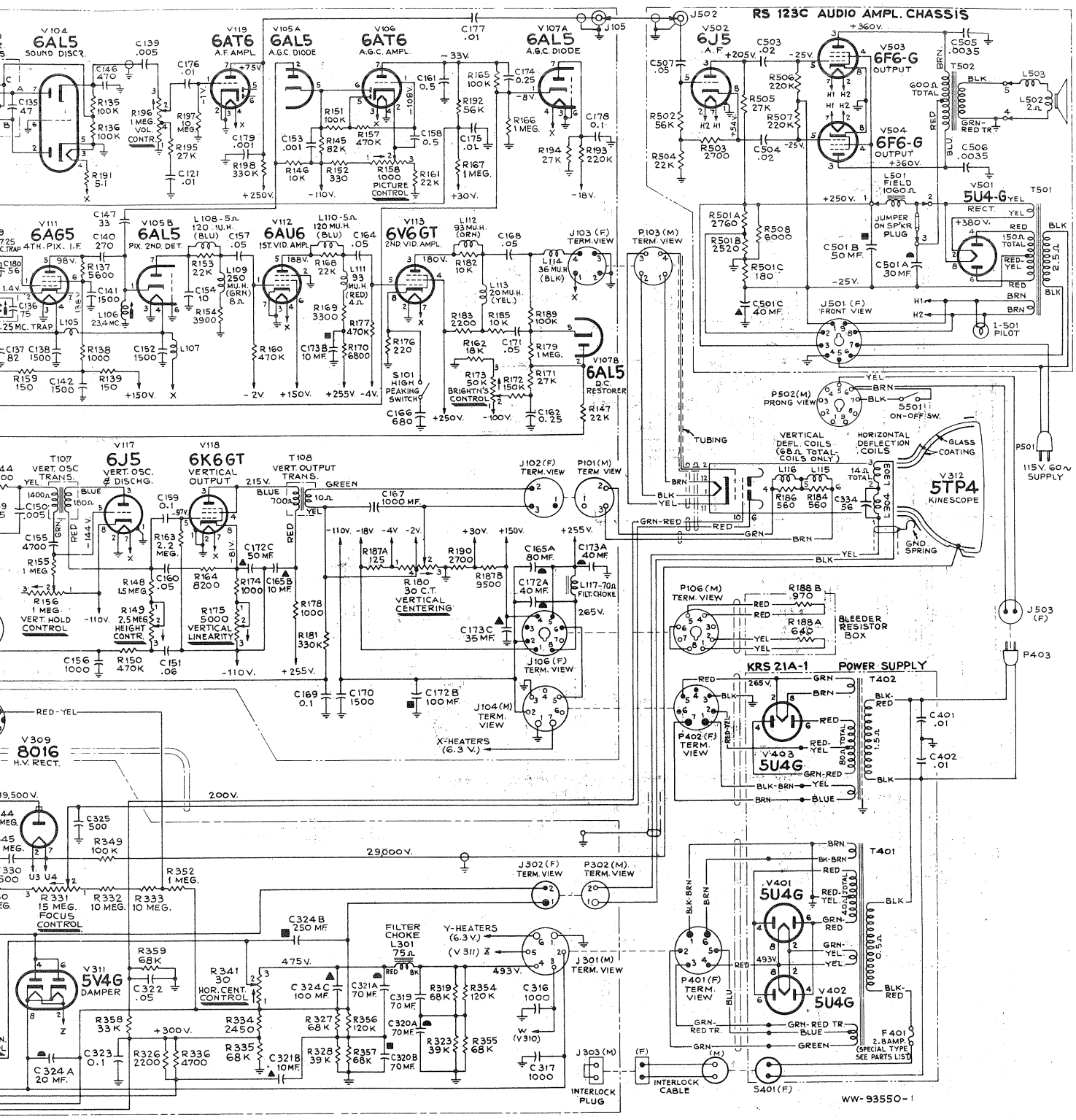
In some receivers
caused changes i
color codes, in el
values and their
markings.

In some receivers

In most receivers,

In some receivers

In some receivers
on T109 is omitted.



In some receivers, substitutions have caused changes in component lead color codes, in electrolytic capacitor values and their lug identification markings.

In some receivers, C-19 is omitted.

In most receivers, C14 is fixed.

In some receivers R162 is 33K.

In some receivers, the trap winding on T109 is omitted.

In some receivers, R148 is 1 meg.

In some receivers, R360 is omitted.

In some receivers, R164 is 6800.

In some receivers, R361 is replaced by a short circuit.

Figure 21—Schematic Diagram

STOCK No.	DESCRIPTION
	R-F UNIT KRK2A
71504	Capacitor—Ceramic, 0.68 mmf. (C13)
71500	Capacitor—Ceramic, 1.5 mmf. (C3, C4)
71502	Capacitor—Ceramic, 2.2 mmf. (C10)
71520	Capacitor—Ceramic, 4.7 mmf. (C6, C7, C12)
45466	Capacitor—Ceramic, 10 mmf. (C19)
33101	Capacitor—Ceramic, 22 mmf. (C14)
71540	Capacitor—Ceramic, 270 mmf. (C1, C2)
39638	Capacitor—Mica, 270 mmf. (C18)
71501	Capacitor—Ceramic, 1500 mmf. (C5, C8, C9, C11, C17)
72122	Coil—Channel #1 r-f amplifier plate coil—front or rear section or channel #1 converter grid coil—front or rear section (L1, L2, L27, L28)
71479	Coil—Channels #2 and #3 r-f amplifier plate coil—front or rear section or channels #2 and #4 converter grid coil—front or rear section (L3, L4, L5, L6, L29, L30, L33, L34)
71480	Coil—Channel #4 r-f amplifier plate coil—front or rear section (L7, L8)
71481	Coil—Channel #5 r-f amplifier plate coil—front or rear section or channel #5 converter grid coil—front or rear section (L9, L10, L35, L36)
71492	Coil—Channel #6 oscillator, converter grid or r-f amplifier plate coil—front or rear sections (L11, L12, L37, L38, L63, L64)
71491	Coil—Channel #13 converter grid or r-f amplifier plate coil—rear section (L25, L51)
71490	Coil—Channel #13 converter grid or r-f amplifier plate coil—front section (L26, L52)
72597	Coil—Channel #3 converter grid coil—front or rear section (L31, L32)
71469	Coil—Channel #1 oscillator coil—front or rear section (L53, L54)
71471	Coil—Channel #5 oscillator coil—front section or channel #2 oscillator coil—rear section (L55, L62)
71470	Coil—Channels #2, 3 and 4 oscillator coil—front section (L56, L58, L60)
72552	Coil—Channel #3 oscillator coil—rear section (L57)
72553	Coil—Channel #4 oscillator coil—rear section (L59)
71472	Coil—Channel #5 oscillator coil—rear section (L61)
71489	Coil—Channel #13 oscillator coil—rear section (L77)
71488	Coil—Channel #13 oscillator coil—front section (L78)
71505	Coil—Heater choke coil (L79)
71506	Coil—Converter grid i-f choke coil (L80)
71493	Connector—Segment connector
71597	Core—Channel #13 front and rear oscillator coils' adjustable core and stud
71498	Core—Channels #6 and 13 front and rear converter grid coils or front and rear r-f amplifier plate coils' adjustable core and stud
71497	Core—Channel #6 front and rear oscillator coils' adjustable core and stud
71463	Detent—Detent mechanism and fiber shaft
71465	Disc—Rotor disc for fine tuning control (Part of C15)
71464	Drive—Fine tuning pinch washer drive
71487	Form—coil form only for channels #6 and 13 coils—less winding
71462	Loop—Oscillator to converter grid coupling loop
	Resistor—Fixed composition, 47 ohms ±20%, ½ watt (R8)
	Resistor—Fixed composition, 150 ohms ±10%, ½ watt (R3, R11, R13)
	Resistor—Fixed composition, 1000 ohms ±20%, ½ watt (R4, R12, R14)
	Resistor—Fixed composition, 4700 ohms ±20%, ½ watt (R1, R2, R7)
	Resistor—Fixed composition, 10,000 ohms ±10%, ½ watt (R5)
	Resistor—Fixed composition, 100,000 ohms ±20%, ½ watt (R9, R10)
	Resistor—Fixed Composition, 1 meg. ±20%, ½ watt (R6)
14343	Ring—Retaining ring for drive
71475	Screw—#4-40 x 15/32" adjusting screw for coils L54, L56, L58, L60, L62
71476	Screw—#4-40 x ¼" binder head screw for adjusting coils L66, L68, L70, L72, L74, L76
71473	Segment—Converter grid section front segment—less coils or r-f amplifier plate section front segment—less coils (Part of S2, S3)
71474	Segment—Converter grid section rear section less coils or r-f amplifier plate section rear segment—less coils (Part of S2, S3)
71467	Segment—Oscillator section front segment—less coils (Part of S4)
71468	Segment—Oscillator segment rear section—less coils (Part of S4)
71494	Socket—Tube socket—miniature
71461	Spring—Snap spring to hold fine tuning disc
71466	Stator—Oscillator fine tuning stator and bushing (Part of C15)
71507	Transformer—Antenna transformer (T1)
71495	Transformer—Converter transformer (T2 (C16))
73239	Trap—Antenna Trap (L81, L82, C21, C22)
	R-F, I-F CHASSIS KCS 24B-1 OR KCS 24C-1
71894	Bearing—RF Unit shaft bearing
72857	Board—"Antenna" board only
72615	Capacitor—Mica, 10 mmf. (C154)
38868	Capacitor—Ceramic, 33 mmf. (C147)
71771	Capacitor—Ceramic, 51 mmf. (C124)
73090	Capacitor—Mica, 82 mmf. (C109)
71514	Capacitor—Ceramic, 82 mmf. (C137)
73091	Capacitor—Mica, 270 mmf. (C119, C126, C131, C140)
39644	Capacitor—Mica, 470 mmf. (C146)
53274	Capacitor—Mica, 680 mmf. (C166)
72616	Capacitor—Mica, 1000 mmf. (C156)
54346	Capacitor—Mica, 1000 mmf. (C145)
71501	Capacitor—Ceramic, 1500 mmf. (C101, C102, C104, C105, C106, C112, C113, C114, C116, C117, C118, C127, C128, C129, C132, C138, C141, C142, C152, C163, C170)
72524	Capacitor—Mica, 4700 mmf. (C155)
70600	Capacitor—Tubular, .001 mfd., 600 volts (C153, C179)
70601	Capacitor—Tubular, .002 mfd., 400 bolts (C148)
70606	Capacitor—Tubular, .005 mfd., 400 volts (C139, C149, C150)
70610	Capacitor—Tubular, .01 mfd., 400 volts (C108, C143, C144, C121, C176, C177)
70615	Capacitor—Tubular, .05 mfd., 400 volts (C111, C125, C133, C157)
70636	Capacitor—Tubular, .05 mfd., 600 volts (C164)
72996	Capacitor—Moulded paper, .05 mfd., 600 volts (C168, C171)
73093	Capacitor—Oil impregnated, .05 mfd., 1000 volts (C180)
73092	Capacitor—Tubular, .06 mfd., 1600 volts (C151)
70617	Capacitor—Tubular, .01 mfd., 400 volts (C122, C169, C175, C178)
70659	Capacitor—Tubular, 0.1 mfd., 1000 volts (C159)
70619	Capacitor—Tubular, 0.5 mfd., 200 volts (C158, C161)
70618	Capacitor—Tubular, 0.25 mfd., 200 volts (C162, C174)
72169	Capacitor—Electrolytic, comprising 1 section of 40 mfd., 450 volts, 1 section of 10 mfd., 450 volts, 1 section of 35 mfd., 350 volts, and 1 section of 10 mfd., 350 volts (C173A, C173B, C173C, C173D)
72612	Capacitor—Electrolytic, comprising 1 section of 40 mfd., 450 volts, 1 section of 100 mfd., 150 volts, and 1 section of 50 mfd., 50 volts (C172A, C172B, C172C)
71780	Capacitor—electrolytic, comprising 1 section of 80 mfd., 450 volts and 1 section of 10 mfd., 450 volts (C165A, C165B)
72611	Capacitor—Electrolytic, 1000 mfd., 3 volts, non-polarized (C167)
71505	Coil—Filament Choke coil (L101, L102, L103, L105, L107)
71426	Coil—Fourth pix i-f coil (L106)
71526	Coil—Choke coil (L109)
71529	Coil—Peaking coil (L108, L110, R153, R168)
71527	Coil—Choke coil (L111)
72619	Peaking coil (L112, R182)
72618	Coil—Choke coil (L113)
71793	Coil—Choke coil (L114)
72167	Coil—Filter choke coil (L117)
71971	Control—Brightness and contrast control (R158, R173)
71440	Control—Height control (R149)
71441	Control—Vertical linearity control (R175)
72758	Control—Vertical & Horizontal Hold Control (R141, R156)
72168	Control—Vertical centering control (R180)
70143	Control—Volume control (R196)
71437	Cover—Insulating cover for capacitor #71780 and #72612
18469	Plate—Bakelite mounting plate for capacitors #71780, 72611 and 72612
72174	Plug—5 prong male plug for cable from horizontal deflection chassis (J101)
14404	Plug—7 prong male plug for cable from power supply (J104)
72067	Resistor—Wire wound, 5.1 ohms, ½ watt (R191)
	Resistor—Fixed composition, 39 ohms ±10%, ½ watt (R102, R114, R124)
	Resistor—Fixed composition, 100 ohms ±10%, ½ watt (R101, R113)
	Resistor—Fixed Composition, 150 ohms ±20%, ½ Watt (R104, R110, R119, R139, R159)
	Resistor—Fixed composition, 150 ohms ±10%, ½ watt (R132)
	Resistor—Fixed Composition, 220 ohms ±10%, ½ watt (R176)
	Resistor—Fixed composition, 330 ohms ± 5%, ½ watt (R152)
	Resistor—Fixed composition, 1000 ohms ±20%, ½ watt (R105, R106, R107, R115, R116, R117, R130, R138, R174)
	Resistor—Fixed composition, 1000 ohms ±20%, 1 watt (R178)
72613	Resistor—Wire wound, 2200 ohms, 10 watts (R183)
	Resistor—Fixed composition, 2700 ohms ±10%, ½ watt (R127)
	Resistor—Fixed composition, 2700 ohms ±10%, 1 watt (R190)
	Resistor—Fixed composition, 3300 ohms ± 5%, ½ watt (R169)
	Resistor—Fixed composition, 3300 ohms ±10%, 1 watt (R134)
	Resistor—Fixed composition, 3900 ohms ±10%, ½ watt (R154)
	Resistor—Fixed composition, 4700 ohms ±10%, 1 watt (R121, R122, R133)
	Resistor—Fixed composition, 4700 ohms ± 5%, ½ watt (R120)
	Resistor—Fixed composition, 5600 ohms ± 5%, ½ watt (R137)
	Resistor—Fixed composition, 6800 ohms ±20%, ½ watt (R128, R170)
	Resistor—Fixed composition, 8200 ohms ± 5%, ½ watt (R164)
	Resistor—Fixed composition, 8200 ohms ±10%, ½ watt (R143, R144)
72171	Resistor—Voltage divider, comprising 1 section of 9500 ohms, 2 watts and 1 section of 125 ohms, 2.5 watts (R187A, R187B)
	Resistor—Fixed composition, 10,000 ohms ±20%, ½ watt (R185)
	Resistor—Fixed composition, 10,000 ohms ± 5%, ½ watt (R103, R111, R146)
	Resistor—Fixed composition, 18,000 ohms ±10%, ½ watt (R162)
	Resistor—Fixed composition, 22,000 ohms ±20%, ½ watt (R140, R142, R147)

STOCK No.	DESCRIPTION
	Resistor—Fixed composition, 22,000 ohms ±10%, ½ watt (R118)
	Resistor—Fixed composition, 22,000 ohms ± 5%, 1 watt (R161)
	Resistor—Fixed composition, 27,000 ohms ±10%, ½ watt (R171, R194, R195)
	Resistor—Fixed composition, 56,000 ohms ±10%, ½ watt (R192)
	Resistor—Fixed composition, 82,000 ohms ±10%, ½ watt (R145)
	Resistor—Fixed composition, 100,000 ohms ±20%, ½ watt (R135, R136, R151, R165, R189)
	Resistor—Fixed composition, 150,000 ohms ±20%, ½ watt (R172)
	Resistor—Fixed composition, 220,000 ohms ±10%, ½ watt (R193)
	Resistor—Fixed composition, 330,000 ohms ±20%, ½ watt (R181, R198)
	Resistor—Fixed composition, 470,000 ohms ±20%, ½ watt (R109, R150, R157, R177)
	Resistor—Fixed composition, 470,000 ohms ±10%, ½ watt (R160)
	Resistor—Fixed composition, 1 megohm ±20%, ½ watt (R123, R131, R179)
	Resistor—Fixed composition, 1 megohm ±10%, ½ watt (R112, R166, R167)
	Resistor—Fixed composition, 1.2 megohm ±10%, ½ watt (R155)
	Resistor—Fixed composition, 1 megohm ±10%, ½ watt (R155 in KCS 24B-1).
	Resistor—Fixed composition, 1.2 megohms ±10%, ½ watt (R155 in KCS 24C-1).
	Resistor—Fixed composition, 1.5 megohms ±10%, ½ watt (R148)
	Resistor—Fixed composition, 2.2 megohms ±10%, ½ watt (R163, R200) (R200 used in KCS 24C-1 only)
	Resistor—Fixed composition, 4.7 megohms ±20%, ½ watt (R125)
	Resistor—Fixed composition, 6.8 megohms ±10%, ½ watt (R108)
	Resistor—Fixed composition, 10 megohms ±20%, ½ watt (R197)
72172	Socket—3 contact socket for deflection yoke cable (J102)
31027	Socket—4 contact female socket for cable from horizontal deflection chassis (J103)
35787	Socket—Output socket for audio cable
31251	Socket—Tube socket, wafer
72516	Socket—Tube socket, miniature
71659	Socket—9 contact socket for KCS24C-1 (J107)
30953	Switch—Video-peaking switch (S101)
71424	Transformer—First or second sound i-f transformer (T101, T102 (C103, C107, C115, C123))
71427	Transformer—Sound discriminator transformer (T103, (C130, C134, C135))
71423	Transformer—First pix i-f transformer (T104 (C110))
71425	Transformer—Second pix i-f transformer (T105 (C120))
73708	Transformer—Third picture i-f transformer (T109, C177)
71775	Transformer—Vertical oscillator transformer (T107)
72952	Transformer—Vertical output transformer (T108)
71422	Trap—Sound trap (T106 (C136))
	HORIZONTAL DEFLECTION CHASSIS KRS 20A-1 OR KRS 20B-1
71454	Board—Sync-link board
72643	Cable—Anode cable (KRS20A-1 only)
73335	Cable—Anode cable (KRS20B-1 only)
71532	Cap—Hi-voltage rectifier and horizontal output plate cap
72614	Capacitor—Mica, 82 mmf. (C301)
73095	Capacitor—Mica, 150 mmf. (C331)
73094	Capacitor—Mica, 390 mmf. (312)
71450	Capacitor—Hi-voltage filter, 500 mmf. (325, C326, C327, C328, C329, C330)
39652	Capacitor—Mica, 1000 mmf. (C313, C316, C317, C318, C333)
72638	Capacitor—Ceramic, 1200 mmf. (C308)
39666	Capacitor—Mica, 3900 mmf. (C307, C309)
70605	Capacitor—Tubular, .004 mfd., 400 volts (C304)
71516	Capacitor—Tubular, oil impregnated, .015 mfd. 400 volts (C302, C305)
70610	Capacitor—Tubular, .01 mfd., 400 volts (C303, C314, C332)
70615	Capacitor—Tubular, .05 mfd., 400 volts (C306, C311, C322)
70636	Capacitor—Tubular, .05 mfd., 600 volts (C310, C315)
70638	Capacitor—Tubular, 0.1 mfd., 600 volts (C323)
72621	Capacitor—Electrolytic, 70 mfd., 400 volts (C319)
72623	Capacitor—Electrolytic, comprising 1 section of 70 mfd., 400 volts and 1 section of 10 mfd., 400 volts (C321A, C321B)
72622	Capacitor—Electrolytic, comprising 2 sections of 70 mfd., 250 volts and 1 section of 20 mfd., 50 volts (C320A, C320B, C320C)
72624	Capacitor—Electrolytic, comprising 1 section of 20 mfd., 150 volts, 1 section of 250 mfd., 15 volts and 1 section of 100 mfd., 15 volts (C324A, C324B, C324C)
72179	Coil—Filter choke coil (L301)
72180	Coil—Width control coil (L302)
71521	Connector—Hi-voltage capacitor connector
73414	Connector—Hi-voltage rectifier and horizontal output plate cap connector
72183	Control—Focus control (R331)
72181	Control—Horizontal centering control (R341)
71441	Control—Horizontal drive control (R340)
72182	Control—Horizontal linearity control (R351)

STOCK No.	DESCRIPTION
70144	Cord—Interlock cord less male plug
33846	Coupling—Focus control shaft coupling
72175	Cover—Insulating cover for electrolytics RCA 72621 and 72623
71437	Cover—Insulating cover for electrolytic RCA 72624
71451	Nut—Speed nut to mount hi-voltage capacitor
18469	Plate—Bakelite mounting plate for electrolytics RCA 72621, 72623 and 72624
72642	Plug—5 contact female plug on cable from horizontal deflection chassis to r-f, i-f chassis
72625	Plug—6 pin male plug for cable from television power supply (J301)
14793	Plug—2 prong male plug for interlock cable
71448	Plug—2 prong male plug for power cable
30568	Plug—4 prong male plug on cable from horizontal deflection chassis to r-f, i-f chassis
72008	Retainer—Focus control coupling shaft retainer
72633	Resistor—Wire wound, 4.7 ohms, 1/3 watt (R337, R338, R339)
	Resistor—Fixed composition, 10 ohms ±5%, ½ watt (R304)
72631	Resistor—Wire wound, 80 ohms, 5 watts (R324)
	Resistor—Fixed composition, 100 ohms ±20%, ½ watt (R317, R318, R321, R325, R347)
	Resistor—Fixed composition, 560 ohms ±10%, ½ watt (R306)
	Resistor—Fixed composition, 2200 ohms ±10%, 1 watt (R326)
	Resistor—Fixed composition, 2200 ohms ±20%, ½ watt (R346)
72184	Resistor—Wire wound, 2450 ohms, 16.5 watts (R334)
48207	Resistor—Wire wound, 3300 ohms, 5 watts (R312)
	Resistor—Fixed composition, 4700 ohms ±10%, ½ watt (R336)
	Resistor—Fixed composition, 6800 ohms ±20%, ½ watt (R314)
	Resistor—Fixed composition, 15,000 ohms ±10%, ½ watt (R310)
	Resistor—Fixed composition, 22,000 ohms ±20%, 2 watts (R313)
	Resistor—Fixed composition, 27,000 ohms ±10%, ½ watt (R309)
	Resistor—Fixed composition, 27,000 ohms ±10%, 1 watt (R307, R350)
	Resistor—Fixed composition, 33,000 ohms ±10%, ½ watt (R358)
	Resistor—Fixed composition, 39,000 ohms ±10%, 2 watts (R323, R328)
	Resistor—Fixed composition, 47,000 ohms ±10%, 1 watt (R308)
	Resistor—Fixed composition, 68,000 ohms ±10%, 1 watt (R355, R357, R359)
	Resistor—Fixed composition, 68,000 ohms ±10%, 2 watts (R319, R327, R335)
	Resistor—Fixed composition, 100,000 ohms ±20%, ½ watt (R311)
	Resistor—Fixed composition, 100,000 ohms ±20%, 1 watt (R349)
	Resistor—Fixed composition, 120,000 ohms ±10%, 1 watt (R354, R356)
	Resistor—Fixed composition, 180,000 ohms ±10%, ½ watt (R348)
	Resistor—Fixed composition, 220,000 ohms ±20%, ½ watt (R315, R322, R353)
	Resistor—Fixed composition, 470,000 ohms ±20%, ½ watt (R301, R302, R303, R305)
	Resistor—Fixed composition, 470,000 ohms ±10%, ½ watt (R316)
	Resistor—Fixed composition, 1 megohm ±10%, ½ watt (R352)
	Resistor—Fixed composition, 1.5 megohms ±20%, 2 watts (R342, R343, R344, R345)
	Resistor—Fixed composition, 2.2 megohms ±10%, 2 watts (R361)
	Resistor—Fixed composition, 10 megohms ±20%, 2 watts (R329, R330, R332, R333)
72185	Shaft—Focus control extension shaft
72626	Socket—2 contact socket for deflection yoke cable (J302)
72641	Socket—Kinescope socket
72627	Socket—Tube socket, ceramic
31251	Socket—Tube socket, wafer
71508	Socket—Tube socket for 8016 rectifier tubes
71559	Spring—Grounding spring for hi-voltage capacitor
71428	Transformer—Horizontal oscillator transformer (T301)
72178	Transformer—Horizontal output and hi-voltage transformer (T302, (R320))
	TELEVISION POWER SUPPLY KRS 21A-1
71770	Capacitor—Moulded paper, .01 mfd., 400 volts (C401, C402)
73151	Fuse—2.8 amperes (F401)
13526	Mounting—Fuse mounting
72644	Plug—6 contact female plug on cable from power supply to horizontal deflection chassis (P401)
14409	Plug—7 contact female plug on cable from power supply to r-f, i-f chassis (P402)
14275	Socket—2 contact female socket for interlock cable
31251	Socket—Tube socket
73191	Transformer—Power transformer (115 volt, 50 cycle) for horizontal deflection chassis (T401)
73192	Transformer—Power transformer (115 volt, 50 cycle) for r-f, i-f television chassis (T402)
72176	Transformer—Power transformer (115 volt, 60 cycle) for horizontal deflection chassis (T401)
72177	Transformer—Power transformer (115 volt, 60 cycle) for r-f, i-f television chassis (T402)

REPLACEMENT PARTS—(Continued) 741PCS, 8PCS41

STOCK No.	DESCRIPTION
	AUDIO OUTPUT CHASSIS RS 123C
70646	Capacitor—Tubular, .0035 mfd., 1000 volts (C505, C506)
70632	Capacitor—Tubular, .02 mfd., 600 volts (C503, C504)
71551	Capacitor—Tubular, .05 mfd., 200 volts (C507)
72955	Capacitor—Electrolytic, comprising 1 section of 30 mfd., 450 volts, 1 section of 50 mfd., 400 volts and 1 section of 40 mfd., 25 volts (C501A, C501B, C501C)
18469	Insulator—Mounting insulator for electrolytic
11765	Lamp—Pilot lamp—Mazda #51
12493	Plug—5 contact female plug for speaker cable
71660	Resistor—Comprising 1 section of 180 ohms, 3.5 watts, 1 section of 2520 ohms, 3.97 watts and 1 section of 2760 ohms, 9.3 watts (R501A, R501B, R501C)
48344	Resistor—Wire wound, 2000 ohms, 5 watts (R508A, R508B, R508C)
	Resistor—Fixed composition, 2700 ohms ±10%, 1/2 watt (R503)
	Resistor—Fixed composition, 22,000 ohms ±10%, 1/2 watt (R504)
	Resistor—Fixed composition, 27,000 ohms ±10%, 1/2 watt (R505)
	Resistor—Fixed composition, 56,000 ohms ±10%, 1/2 watt (R502)
	Resistor—Fixed composition, 220,000 ohms ±20%, 1/2 watt (R506, R507)
35787	Socket—Input socket
31364	Socket—Pilot lamp socket
71659	Socket—9 prong power socket (J501)
31319	Socket—Tube socket
37048	Transformer—Power transformer, 115 volt, 50/60 cycle (T501)
71661	Transformer—Output transformer (T502)
	OPTICAL BARREL ASSEMBLY KRK 1A
72188	Lens—Corrector lens
72187	Mirror—Spherical mirror
72191	Screw—#8-32 x 1/2" screw for locking horizontal centering adjustment (2 required) or for locking focus adjustment (2 required)
72660	Screw—#12-24 x 2 5/9" screw for focus adjustment
72662	Screw—#8-32 x 15/16" screw for spherical mirror mounting springs (6 required)
72192	Screw—#12-24 x 1 19/32" screw for horizontal centering adjustment
72189	Spring—Six (6) turn spring for kinescope holder
72190	Spring—Eight (8) turn spring for kinescope holder
72663	Spring—Spherical mirror mounting spring (6 required)
72664	Support—Insulating support for kinescope (2 required)
11909	Washer—"C" washer for horizontal adjusting plate screw
	OPTICAL BARREL ASSEMBLY KRK 4
73328	Band—Kinescope holder contact band
73323	Band—Spring band for supporting spherical mirror
73322	Cam—Corrector lens centering cam (4 required)
73324	Chain—Drive chain
73899	Gasket—Dust seal gasket on bottom of optical barrel
72188	Lens—Corrector lens
73326	Holder—Insulating holder for kinescope
73325	Mirror—Spherical mirror (12")
73329	Screw—Centering screw for kinescope (3 required)
73321	Spring—Focus screw compression spring (3 required)
73319	Sprocket—Focus sprocket (3 required)
73320	Sprocket—Idler sprocket
73327	Support—Support for kinescope holder
	SPEAKER ASSEMBLIES 92567-2W RL 70R1
13867	Cap—Dust cap
71147	Clamp—Clamp to hold metal cone suspension (2 required)
71146	Coil—Field coil—1060 ohms
11469	Coil—Neutralizing coil
36145	Cone—Cone complete with voice coil
31539	Plug—5 prong male plug for speaker
71144	Speaker—12" EM speaker complete with cone and voice coil less plug
71145	Suspension—Metal cone suspension
	NOTE: If stamping on speaker in instrument does not agree with above speaker number, order replacement parts by referring to model number of instrument, number stamped on speaker and full description of part required.

STOCK No.	DESCRIPTION
	741PCS
	MISCELLANEOUS
73189	Back—Cabinet back—bottom section
73188	Back—Cabinet back—top section
71599	Bracket—Pilot lamp bracket
70148	Bracket—Forty-five-degree mirror mounting bracket complete with felt pad (4 required)
70151	Bushing—Anode cable bushing
72195	Cable—Shielded audio lead complete with pin plugs
13103	Cap—Pilot lamp jewel
71892	Catch—Drop door catch and strike (2 required)
73199	Catch—Grille frame strike and catch (2 required)
70152	Clamp—Anode cable clamp set
X1756	Cloth—Grille cloth
72667	Clip—Kinescope anode clip
72666	Cover—Optical barrel dust cover
73204	Decal—Control function decal
X1754	Door—Sliding drop door (2 sections) for covering screen, less hinges
71598	Escutcheon—Channel marker escutcheon
70154	Fastener—Anode cable hi-voltage spring fastener
70153	Gasket—Sealing gasket for anode cable clamp
73200	Hinge—Control panel knife hinge (2 required)
73201	Hinge—Drop door hinge (2 required)
71536	Knob—Brightness control or horizontal hold control knob
71534	Knob—Channel selector knob
71535	Knob—Picture control or vertical hold control knob
71533	Knob—Fine tuning knob
71821	Knob—Volume control or power switch knob
70145	Mirror—Forty-five-degree mirror
73202	Name Plate—"RCA-Victor" name plate
70150	Nut—Locknut for optic barrel tilt screw (3 required)
73203	Nut—Speed nut to fasten name plate (3 required)
70146	Pin—Mounting pin (2 required) to mount front end of television chassis
70147	Plate—Mounting plate for power switch
73208	Plate—Control panel lock strap plate
4573	Plug—2 contact female plug for power switch cable
14793	Plug—2 prong male plug on deflection yoke cable
14782	Plug—3 prong male plug on deflection yoke cable (P101)
35383	Plug—8 prong male plug on bleeder resistor cable
71968	Plug—9 prong male plug for power switch cable
31048	Plug—Pin plug for audio cable
73203	Pull—Control panel pull
73205	Pull—Drop door pull
72170	Resistor—Wire wound comprising 1 section of 970 ohms, 9 watts, and 1 section of 640 ohms, 10.5 watts
72194	Screen—Viewing screen
70149	Screw—Tilt adjustment screw for optic barrel (3 required)
71538	Spring—Channel marker escutcheon spring
30330	Spring—Retaining spring for knob #71536
30900	Spring—Retaining spring for knob #71821
14270	Spring—Retaining spring for knob #71534 and 71535
4982	Spring—Retaining spring for knob #71533
73207	Strap—Control panel lock strap
70155	Switch—Power switch
72196	Yoke—Deflection yoke complete with cables (L115, L116, L303, L304, C334, R184, R186, P101, P302)
	8PCS41
	MISCELLANEOUS
73210	Back—Cabinet back—mahogany
73211	Back—Cabinet back—walnut
73245	Back—Cabinet back—toasted mahogany
71599	Bracket—Pilot lamp bracket
70148	Bracket—45 degree mirror mounting bracket complete with felt pad (3 required)
70151	Bushing—Anode cable bushing (8PCS41 only)
72195	Cable—Shielded audio lead complete with pin plugs
13103	Cap—Pilot lamp jewel
71892	Catch—Door catch and strike (3 required)
70152	Clamp—Anode cable clamp set (8PCS41 only)
72667	Clip—Second anode clip
x1759	Cloth—Grille cloth for toasted mahogany instruments
x1757	Cloth—Grille cloth for walnut and mahogany instruments
73213	Cover—Dust cover
73246	Decal—Control panel decal for toasted mahogany instruments
73204	Decal—Control panel decal for walnut and mahogany instruments
73865	Decal—"Local-remote" switch decal
71598	Escutcheon—Channel marker escutcheon
70154	Fastener—Anode cable hi-voltage spring fastener (8PCS41 only)
70153	Gasket—Sealing gasket for anode cable clamp (8PCS41 only)
73215	Grille—Metal grille
73219	Hinge—Cabinet hood hinge (2 required)
36610	Hinge—Door hinge
73024	Hinge—Hinge for movable panel behind control panel (2 required)

741PCS, 8PCS41 REPLACEMENT PARTS—(Continued)

STOCK No.	DESCRIPTION
71536	Knob—Brightness control or horizontal hold control knob for walnut and mahogany instruments
72569	Knob—Brightness control or horizontal hold control knob for toasted mahogany instruments
71534	Knob—Channel selector knob for walnut and mahogany instruments
72568	Knob—Channel selector knob for toasted mahogany instruments
71535	Knob—Picture control or vertical hold control knob for walnut and mahogany instruments
72565	Knob—Picture control or vertical hold control knob for toasted mahogany instruments
71533	Knob—Fine tuning knob for walnut and mahogany instruments
72567	Knob—Fine tuning knob for toasted mahogany instruments
71821	Knob—Volume control or power switch knob for walnut and mahogany instruments
72800	Knob—Volume control or power switch knob for toasted mahogany instruments
72824	Knob—Remote control switch knob—brown—for toasted mahogany instruments
71822	Knob—Remote control switch knob—maroon—for mahogany or toasted mahogany instruments
70145	Mirror—45 degree mirror
73180	Name Plate—"RCA-Victor" name plate
73336	Nut—Aluminum nut to fasten KCS24B-1 type anode cable
70146	Pin—Mounting pin (2 required) to mount front end of r-f, i-f chassis
73218	Plate—Plate complete with bullet catch and bracket with pin for cabinet hood—L.H.
73217	Plate—Plate complete with bullet catch and bracket with pin for cabinet hood—R.H.
70147	Plate—Mounting plate for power switch
14793	Plug—2 prong male plug on deflection yoke cable
14782	Plug—3 prong male plug on deflection yoke cable
35383	Plug—8 prong male plug on bleeder resistor
71968	Plug—9 prong male plug on power switch cable
4573	Plug—2 contact female plug on power switch cable
31048	Plug—Pin plug for audio cable
72291	Plug—Dummy plug for sets not using remote control
71968	Plug—9 prong male plug for remote control adapter cable
73214	Pull—Door pull
72170	Resistor—Wire wound, comprising 1 section of 970 ohms, 9 watts, and 1 section of 640 ohms, 10.5 watts
73416	Ring-Rubber Ring between yoke and correction lens
72194	Screen—Viewing screen
70149	Screw—Elevating screw for optic barrel (3 required)
70150	Screw—Locknut for optic barrell (early type) elevating screw (3 required)
71659	Socket—9 contact female socket for remote control cable
30900	Spring—Retaining spring for knobs #71822 and #71824
71538	Spring—Channel marker escutcheon spring
72454	Spring—Lid support spring
30900	Spring—Retaining spring for knobs #71534, 71535, 72565 and 72568
14270	Spring—Retaining spring for knobs #71800 and 71821
4982	Spring—Retaining spring for knobs 71533 and 72567
30330	Retaining spring for knobs 71536 and 72569
70164	Stop—Door stop
73216	Support—Lid support—R.H.
72453	Support—Lid support—L.H.
73212	Switch—Interlock switch
70155	Switch—Power switch
73852	Switch—Remote control switch
72196	Yoke—Deflection yoke complete with cables

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